

SARMAK PRODUCT CATALOGUE _

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SARMAK

COMPRESSORS + ENGINEERING

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ABOUT SARMAK...

SARMAK IS THE REALIZATION OF AN INDUSTRIALISM DREAM FOR AN IDEALIST, ENTREPRENEUR AND YOUNG ENGINEER EDUCATED IN GERMANY. WITH THE KNOWLEDGE AND EXPERIENCE GAINED IN GERMANY, TURGAY SARACOGLU BECAME A MACHINERY MANUFACTURER IN HIS HOMETOWN. SINCE 1975, THE PRODUCTION FACILITY GREW WITH INCREASING EMPLOYMENT TO THIS DAY.

OUR DIFFERENCE IS THAT WE CONTINUE TO MANUFACTURE THE BEST MACHINE WITH TENACITY AND PASSION BY ETHICAL PRINCIPLES. INTEGRITY, SINCERITY AND FAIRNESS ARE THE COMMON VALUES FOR OUR EMPLOYEES. STABILITY BASED ON TRUST IS THE DETERMINING FACTOR FOR OUR CUSTOMERS AND SUPPLIERS.

ALTHOUGH WE ARE A MACHINERY MANUFACTURER FOR NEARLY 50 YEARS, WE ARE ALSO AN ENGINEERING, CONSULTING AND SERVICE COMPANY. WE IDENTIFY THE NEEDS OF THE CUSTOMERS CORRECTLY, ACT QUICKLY AND CAREFULLY DURING SALES & AFTERSALES. ADDITIONALLY, WE BENEFIT FROM HIGH TECHNOLOGY EFFICIENTLY AND THUS RENEW OURSELVES CONTINUOUSLY.

OUR CORPORATE EXISTENCE AND PHILOSOPHY DEPEND ON CONTRIBUTING TO THE SUCCESS OF OUR CUSTOMERS BY MAKING THEIR LIVES EASIER. CONSEQUENTLY, OUR GOAL IS ALWAYS TO REMAIN TRUSTWORTHY AND RESPECTABLE.



1956



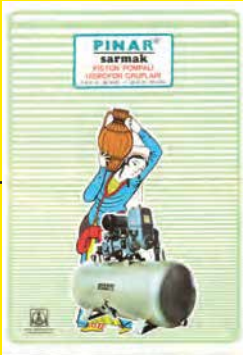
GERMANY, THE BEGINNING OF DREAMS

TURGAY SARACOĞLU
STUTTGART TECHNICAL
UNIVERSITY

1969

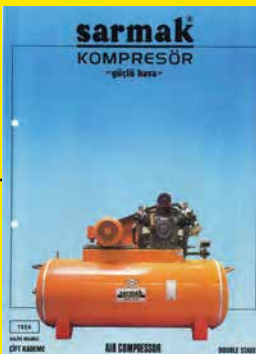
TUSAR ENGINEERING COMPANY IS FOUNDED BY MECHANICAL ENGINEER TURGAY SARACOĞLU. FIELD OF BUSINESS ACTIVITY INCLUDED HEATING, VENTILATING & AIR CONDITIONING PROJECTS.

1975



SARMAK IS FOUNDED BY MECHANICAL ENGINEER TURGAY SARACOĞLU AND TEXTILE ENGINEER KEMAL SARACOĞLU IN ADANA. THE COMPANY STARTED PRODUCTION OF BOILERS AND PISTON TYPE WATER PUMPS FOR THE FIRST FIVE YEARS OF EXISTENCE.

1980



FIRST PISTON COMPRESSOR PRODUCTION

1985



ESTABLISHMENT OF ISTANBUL BRANCH OFFICE

AUTHORIZED DISTRIBUTOR AGREEMENT FOR SCREW AIR COMPRESSORS WAS SIGNED WITH MANNESMANN DEMAG DRUCKLUFTECHNIK OF GERMANY.

1987



ESTABLISHMENT OF ANKARA BRANCH OFFICE

TURGAY SARACOĞLU (Mechanical Engineer, M.Sc.) and KEMAL SARACOĞLU (Textile Engineer, M.Sc.)

1988



LICENCE AGREEMENT WITH MANNESMANN DEMAG

FIRST SCREW AIR COMPRESSOR PRODUCTION

1990



FIRST
EXPORT

1995



20TH
ANNIVERSARY

1997



ASLI SARACOGLU OZER
JOINED THE COMPANY
AS SECOND
GENERATION.

1998



NEW INVESTMENT IN
ADANA ORGANIZED
INDUSTRIAL ZONE.

2000



QUALITY ASSURANCE SYSTEM (ISO 9001) AND
CE CERTIFICATE ARE CERTIFIED BY TÜV SÜD
TGK. OTHER CERTIFICATES INCLUDE TURKISH
STANDARDS (TSEK, TSE) AND RUSSIAN
STANDARD (GOST-R).

2004

ESTABLISHMENT OF BURSA BRANCH OFFICE

2006

ESTABLISHMENT OF KAYSERİ SERVICE CENTER



MURAT SARACOGLU
JOINED THE COMPANY AS
SECOND GENERATION.

2008



THE NEW PRODUCTION FACILITY WAS OPENED IN
ADANA ORGANIZED INDUSTRIAL ZONE.

2011

ESTABLISHMENT OF DENİZLİ SERVICE CENTER

2013

“AGIAD (YOUNG BUSINESSMEN ASSOCIATION)
BRAND OF THE YEAR AWARD”
FOR RENEWED BRANDING.

2014

TEST LAB FOR ISO1217 COMPRESSED AIR
FLOW MEASUREMENT WITH VORTEX SYSTEM

2016

TÜV-SÜD ISO9001:2015 QUALITY ASSURANCE
SYSTEM CERTIFICATE RENEWAL

2020

TEST LAB FOR ISO1217-ISO9300
COMPRESSED AIR FLOW MEASUREMENT
WITH SONIC NOZZLE SYSTEM

2023

ESTABLISHMENT OF
"SARMAK ITALIA SRL" in Milano.



SARMAK
COMPRESSORS + ENGINEERING

SARMAK SCREW COMPRESSORS _

AIR COMPRESSORS (OIL LUBRICATED)

(5,5 kW - 250 kW)

WIDE RANGE SOLUTION FOR ALL APPLICATIONS

TECHNOLOGY TO MEET ALL YOUR DEMANDS.

FEATURES AND ADVANTAGES OF THE SYSTEM

SMART DESIGN

THE LEAN DESIGN DEVELOPED BY OUR ENGINEERING TEAM PROVIDES MORE PRACTICAL MAINTENANCE.

WIDE RANGE OF SCREW BLOCKS

WE USE THE MOST CONVENIENT SCREW BLOCKS TO SUIT THE ELECTRIC MOTOR REVOLUTION RANGES. THEREFORE, YOU CAN BENEFIT THE OPTIMUM EFFICIENCY FOR LONG YEARS OF OPERATION.

ELECTRONIC CONTROL / COMMAND SYSTEM WITH MICROPROCESSOR

SMART TECHNOLOGY DISPLAYS ALL ERRORS & ALARMS AND PERIODIC MAINTENANCE INTERVALS OF THE SYSTEM.

ROBUST CANOPY

MORE SILENT AND BALANCED OPERATION BY SOUND AND VIBRATION ISOLATION.

AIR & OIL COOLING SYSTEM

WIDE SURFACE AREA AND OPTIMUM WIDTH ARE THE ADVANTAGES. CONSEQUENTLY, LOW TEMPERATURE AND PRESSURE DROP MEAN LONG COMPRESSOR LIFE.

FIXED SPEED MODELS

STAR-DELTA OR SOFTSTARTER STARTING TYPE OPTIONS.

WIDE MODEL RANGE FOR DIFFERENT DEMANDS

DIRECT-DRIVE (WITH GEARBOX & 1:1 WITHOUT GEARBOX) OR BELT-DRIVE WITH AUTOMATIC BELT TENSIONING SYSTEM.

TANK-MOUNTED SCREW COMPRESSORS WITH OR WITHOUT DRYER+FILTERS.



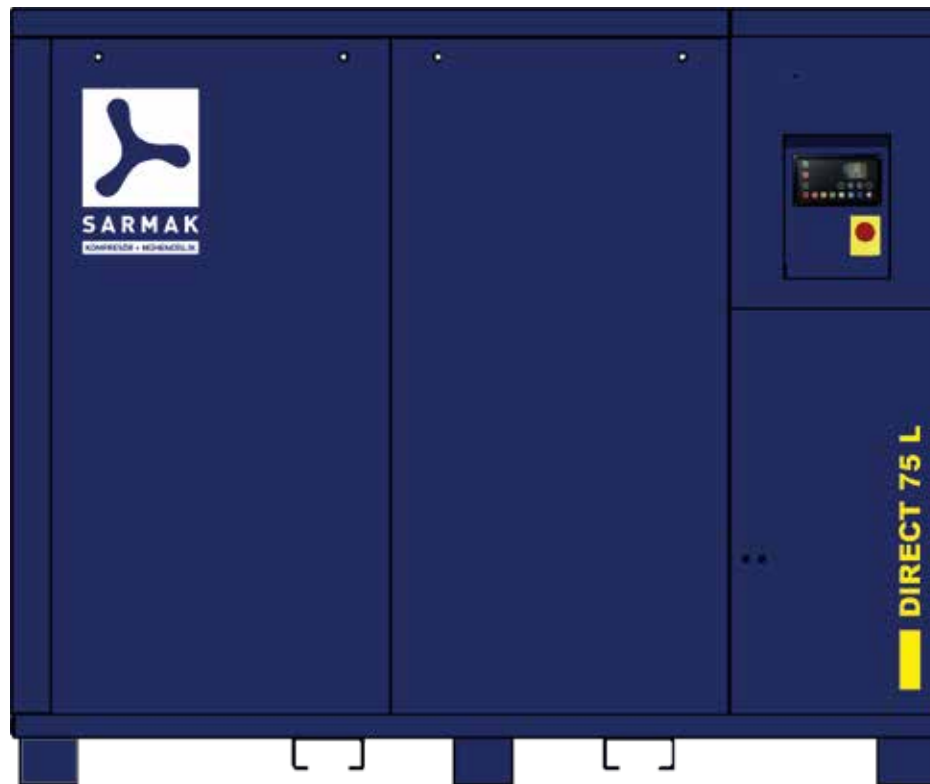
DIRECT 11-110 _

(11 kW - 110 kW)

DIRECT-DRIVE & FIXED SPEED; OPTIMUM CAPACITY SERIES

ECONOMIC POWER CONSUMPTION AND LEAN MODERN DESIGN.

NEW



FEATURES AND ADVANTAGES OF THE SYSTEM

- OIL INJECTED
- AIR COOLED
- HIGH PERFORMANCE SCREW BLOCK
- 3 PHASE / 50HZ / 380-400V ELECTRIC MOTOR
- ELECTRONIC CONTROL / COMMAND SYSTEM WITH MICROPROCESSOR (SELTRONIK)
 - AIR FILTER / OIL FILTER / SEPARATOR / OIL CHANGE INDICATORS
 - PERIODIC MAINTENANCE INDICATORS
 - ERRORS AND ALARMS
- INLET AIR FILTER AND SUCTION REGULATOR
- AIR COOLED AIR / OIL COMBICOOLER WITH WIDE SURFACE AREA
- SAFETY VALVE, MIN. PRESSURE CHECKVALVE
- FACTORY FILLED OIL
- SOUND AND VIBRATION ISOLATED, ROBUST CHASSIS AND CANOPY

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Sound Level from 1 mt. (dba)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi g)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
DIRECT 11	7,5	108,7	1,70	60,0	11	15	67	3/4"	1.205	910	1.330	385
DIRECT 15	7,5	108,7	2,20	77,7	15	20	68	3/4"	1.255	910	1.330	390
	10	145,0	1,75	61,8	15	20	68	3/4"	1.255	910	1.330	390
DIRECT 18	10	145,0	2,52	88,9	18,5	25	69	1"	1.255	910	1.365	395
DIRECT 22	7,5	108,7	3,65	128,8	22	30	69	1"	1.430	910	1.365	410
	10	145,0	3,00	105,9	22	30	69	1"	1.430	910	1.365	410
	13	188,5	2,57	90,7	22	30	69	1"	1.430	910	1.365	410
DIRECT 30	7,5	108,7	5,23	184,6	30	40	69	1 1/2"	1.555	1.010	1.600	510
	10	145,0	4,25	150,0	30	40	69	1 1/2"	1.555	1.010	1.600	510
DIRECT 37	7,5	108,7	6,00	211,8	37	50	70	1 1/2"	1.555	1.010	1.600	760
	10	145,0	5,20	183,6	37	50	70	1 1/2"	1.555	1.010	1.600	760
	13	188,5	4,00	141,2	37	50	70	1 1/2"	1.555	1.010	1.600	760
DIRECT 45	7,5	108,7	7,45	263,0	45	60	72	2"	1.805	1.160	1.750	1.340
	10	145,0	6,39	225,6	45	60	72	2"	1.805	1.160	1.750	1.340
DIRECT 55M	7,5	108,7	8,75	309,0	55	75	73	2"	1.805	1.160	1.750	1.390
DIRECT 55	7,5	108,7	8,95	316,0	55	75	73	2"	1.805	1.160	1.750	1.390
	10	145,0	7,71	272,2	55	75	73	2"	1.805	1.160	1.750	1.390
	13	188,5	6,45	227,7	55	75	73	2"	1.805	1.160	1.750	1.390
DIRECT 75	7,5	108,7	11,50	406,1	75	100	75	2"	2.205	1.350	1.860	1.600
	10	145,0	10,25	361,9	75	100	75	2"	2.205	1.350	1.860	1.600
	13	188,5	9,04	319,2	75	100	75	2"	2.205	1.350	1.860	1.600
DIRECT 75L	7,5	108,7	12,50	441,4	75	100	75	2"	2.205	1.350	1.860	1.750
	10	145,0	10,94	368,3	75	100	75	2"	2.205	1.350	1.860	1.750
	13	188,5	9,40	331,9	75	100	75	2"	2.205	1.350	1.860	1.750
DIRECT 90	7,5	108,7	15,10	533,2	90	125	76	2"	2.205	1.350	1.860	2.040
	10	145,0	13,20	466,2	90	125	76	2"	2.205	1.350	1.860	2.040
	13	188,5	11,10	392,0	90	125	76	2"	2.205	1.350	1.860	2.040
DIRECT 110	7,5	108,7	19,20	678,0	110	150	77	3"	2.905	1.760	1.860	2.640
	10	145,0	16,75	591,5	110	150	77	3"	2.905	1.760	1.860	2.640
	13	188,5	14,25	503,2	110	150	77	3"	2.905	1.760	1.860	2.640

SOFTSTARTER STARTING OPTION IS ONLY AVAILABLE IN "DIRECT-ST" SERIES.

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION DIRECT 11-110 SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

ROBOT 140 C-481 C_

(75 kW - 250 kW)

DIRECT-DRIVE & FIXED SPEED; HIGH PERFORMANCE SERIES

ROBUST CONSTRUCTION FOR HEAVY DUTY APPLICATIONS.

NEW



SCREW BLOCK

FAIL SAFE SYSTEM-FSS : SPECIALLY DESIGNED "SHAFT SEAL SYSTEM" FOR ELIMINATION OF OIL LEAKAGES FROM THE BLOCK HOUSING.

INTEGRATED DESIGN

OIL FILTER AND THERMOSTATIC BYPASS VALVE ARE INTEGRATED TO THE SCREW BLOCK. THIS MODULAR CONCEPT DESIGN MAKES THE SCREW BLOCK MORE COMPACT AND EASIER TO MAINTAIN.

SWITCH CABINET

THE CABINET HOUSING IS ACCORDING TO IP 55 PROTECTION. COMPONENTS ARE ACCORDING TO STANDARD DIN/EN 60204-1. IT IS INTEGRATED INTO THE CANOPY, EASY TO USE AND MAINTAIN.

CONTENTS OF SWITCH CABINET

STAR-DELTA CONTACTOR COMBINATION, FAN CONTACTOR, MOTOR PROTECTION SWITCH AND FUSES, POWER SOURCE (24V), EMERGENCY STOP SWITCH, ON / OFF BUTTON, CONTROL BOARD (CPU LCD DIGITAL DISPLAY).

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi g)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
ROBOT 140 C	7,5	108,7	13,60	480,2	75	100	75	2"	2.405	1.350	1.860	1.950
ROBOT 141 C	10	145,0	12,44	439,3	75	100	75	2"	2.405	1.350	1.860	1.950
ROBOT 142 C	13	188,5	10,43	368,3	75	100	75	2"	2.405	1.350	1.860	1.950
ROBOT 165 C	7,5	108,7	16,25	573,8	90	125	76	2"	2.655	1.610	1.860	2.400
ROBOT 166 C	10	145,0	13,95	492,6	90	125	76	2"	2.655	1.610	1.860	2.400
ROBOT 167 C	13	188,5	11,90	420,2	90	125	76	2"	2.655	1.610	1.860	2.400
ROBOT 180 C	7,5	108,7	17,45	616,2	90	125	77	3"	2.655	1.610	1.860	2.700
ROBOT 181 C	10	145,0	15,47	546,3	90	125	77	3"	2.655	1.610	1.860	2.700
ROBOT 182 C	13	188,5	13,45	474,9	90	125	77	3"	2.655	1.610	1.860	2.700
ROBOT 210 C	7,5	108,7	20,77	733,5	110	150	77	3"	2.655	1.610	1.860	2.900
ROBOT 211 C	10	145,0	18,63	657,9	110	150	77	3"	2.655	1.610	1.860	2.900
ROBOT 212 C	13	188,5	16,21	572,4	110	150	77	3"	2.655	1.610	1.860	2.900
ROBOT 230 C	7,5	108,7	22,87	807,6	132	180	78	3"	2.905	1.760	1.860	3.000
ROBOT 231 C	10	145,0	20,10	709,8	132	180	78	3"	2.905	1.760	1.860	3.000
ROBOT 232 C	13	188,5	17,45	616,2	132	180	78	3"	2.905	1.760	1.860	3.000
ROBOT 250 C	7,5	108,7	24,70	872,3	132	180	78	DN100-PN16	3.490	1.930	2.018	4.850
ROBOT 251 C	10	145,0	21,50	759,3	132	180	78	DN100-PN16	3.490	1.930	2.018	4.850
ROBOT 270 C	7,5	108,7	26,50	935,8	132	180	78	DN100-PN16	3.490	1.930	2.018	4.900
ROBOT 290 C	7,5	108,7	30,20	1.066,5	160	220	78	DN100-PN16	3.490	1.930	2.018	5.000
ROBOT 291 C	10	145,0	26,50	935,8	160	220	78	DN100-PN16	3.490	1.930	2.018	5.000
ROBOT 292 C	13	188,5	22,10	780,4	160	220	78	DN100-PN16	3.490	1.930	2.018	5.000
ROBOT 370 C	7,5	108,7	36,60	1.291,5	200	270	79	DN100-PN16	3.490	1.930	2.018	5.200
ROBOT 371 C	10	145,0	31,00	1.094,7	200	270	79	DN100-PN16	3.490	1.930	2.018	5.200
ROBOT 372 C	13	188,5	27,20	960,5	200	270	79	DN100-PN16	3.490	1.930	2.018	5.200
ROBOT 430 C	7,5	108,7	42,70	1.507,9	250	340	80	DN100-PN16	3.490	1.930	2.355	5.300
ROBOT 431 C	10	145,0	38,00	1.341,9	250	340	80	DN100-PN16	3.490	1.930	2.355	5.300
ROBOT 432 C	13	188,5	33,20	1.172,4	250	340	80	DN100-PN16	3.490	1.930	2.355	5.300
ROBOT 480 C	7,5	108,7	47,50	1.677,4	250	340	81	DN100-PN16	3.690	1.930	2.400	5.900
ROBOT 481 C	10	145,0	39,46	1.393,5	250	340	81	DN100-PN16	3.690	1.930	2.400	5.900

SOFTSTARTER STARTING OPTION IS ONLY AVAILABLE IN "ROBOT-CST" SERIES.

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 140 C-481 C COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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TANK-MOUNTED SMART FD _

(5,5 kW - 22 kW)

PRACTICAL AND COMPACT SOLUTIONS

IDEAL COMPRESSOR FOR THOSE WHO EXPECT "MORE JOB FROM A SMALLER SPACE".



INTEGRATED EQUIPMENTS

COMPRESSED AIR PRE-FILTER & AFTER-FILTER

INTEGRATED FILTERS HELP TO REDUCE THE DRYER'S LOAD.

COMPRESSED AIR DRYER

SUITABLE SOLUTION FOR COMPRESSOR CAPACITY TO PROVIDE QUALITY COMPRESSED AIR.

RESERVOIR TANK

EXTRA HELP FOR FLUCTUATIONS IN THE COMPRESSED AIR DEMAND.

- 3 PHASE/50HZ/380-400V ELECTRIC MOTOR
- SELTRONIK CONTROL/COMMAND MODULE
- INLET AIR FILTER AND SUCTION REGULATOR
- SAFETY VALVE
- MINIMUM PRESSURE CHECKVALVE
- FACTORY FILLED OIL
- BELT-DRIVE WITH AUTOMATIC BELT TENSIONING SYSTEM
- STAR-DELTA STARTING MODE.



TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Integrated Reservoir Tank Capacity (lt)	Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi)	(m³/min)	(cfm)	(kW)	(HP)				Length (mm)	Width (mm)	Height (mm)	
SMART 85 FD	7,5	108,7	0,90	31,8	5,5	7,5	500	67	3/4"	1.900	670	1.613	440
SMART 86 FD	10	145,0	0,70	24,7	5,5	7,5	500	67	3/4"	1.900	670	1.613	440
SMART 110 FD	7,5	108,7	1,15	40,6	7,5	10	500	67	3/4"	1.900	670	1.613	445
SMART 111 FD	10	145,0	0,95	33,5	7,5	10	500	67	3/4"	1.900	670	1.613	445
SMART 150 FD	7,5	108,7	1,70	60,0	11	15	500	67	3/4"	1.900	830	1.679	530
SMART 151 FD	10	145,0	1,50	52,9	11	15	500	67	3/4"	1.900	830	1.679	530
SMART 200 FD	7,5	108,7	2,30	81,2	15	20	500	68	3/4"	1.900	830	1.679	538
SMART 201 FD	10	145,0	2,00	70,6	15	20	500	68	3/4"	1.900	830	1.679	538
SMART 300 FD	7,5	108,7	3,20	113,0	18,5	25	750	69	1"	1.950	860	1.893	640
SMART 301 FD	10	145,0	2,60	91,8	18,5	25	750	69	1"	1.950	860	1.893	640
SMART 400 FD	7,5	108,7	3,65	128,8	22	30	750	69	1"	1.950	860	1.893	700
SMART 401 FD	10	145,0	3,12	110,1	22	30	750	69	1"	1.950	860	1.893	700

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION SMART FD SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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ROBOT 8,5-66 —

(5,5 kW - 37 kW)

FIRST STEP FOR COMPANIES WITH GRAND TARGETS

SMALL ROBOTS ARE READY FOR MISSION.



FEATURES AND ADVANTAGES OF THE SYSTEM

- OIL INJECTED
- AIR COOLED
- HIGH PERFORMANCE SCREW BLOCK
- 3 PHASE / 50HZ / 380V ELECTRIC MOTOR
- AUTOMATIC BELT TENSIONING DRIVE SYSTEM
- ELECTRONIC CONTROL / COMMAND SYSTEM WITH
- MICROPROCESSOR (SELTRONIK)
 - AIR FILTER / OIL FILTER / SEPARATOR / OIL CHANGE INDICATORS
 - PERIODIC MAINTENANCE INDICATORS
 - ERRORS AND ALARMS
- INLET AIR FILTER AND SUCTION REGULATOR
- AIR COOLED AIR / OIL COMBICOOLER WITH WIDE SURFACE AREA
- SAFETY VALVE, MIN. PRESSURE CHECKVALVE
- FACTORY FILLED OIL
- SOUND AND VIBRATION ISOLATED, ROBUST CHASSIS AND CANOPY
- BELT-DRIVE WITH AUTOMATIC BELT TENSIONING SYSTEM
- STAR-DELTA STARTING MODE.

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
ROBOT 8,5	7,5	108,7	0,90	31,8	5,5	7,5	67	3/4"	900	670	925	207
ROBOT 8,6	10	145,0	0,70	24,7	5,5	7,5	67	3/4"	900	670	925	207
ROBOT 11	7,5	108,7	1,15	40,6	7,5	10	67	3/4"	900	670	925	210
ROBOT 12	10	145,0	0,95	33,5	7,5	10	67	3/4"	900	670	925	210
ROBOT 15	7,5	108,7	1,70	60,0	11	15	67	3/4"	900	830	990	256
ROBOT 16	10	145,0	1,50	52,9	11	15	67	3/4"	900	830	990	256
ROBOT 17	13	188,5	1,25	44,1	11	15	67	3/4"	900	830	990	256
ROBOT 20	7,5	108,7	2,30	81,20	15	20	68	3/4"	900	830	990	297
ROBOT 21	10	145,0	2,00	70,6	15	20	68	3/4"	900	830	990	297
ROBOT 22	13	188,5	1,62	57,2	15	20	68	3/4"	900	830	990	297
ROBOT 30	7,5	108,7	3,20	113,0	18,5	25	69	1"	1.050	860	1.125	355
ROBOT 31	10	145,0	2,60	91,8	18,5	25	69	1"	1.050	860	1.125	355
ROBOT 32	13	188,5	2,30	81,20	18,5	25	69	1"	1.050	860	1.125	355
ROBOT 40	7,5	108,7	3,65	128,8	22	30	69	1"	1.050	860	1.125	367
ROBOT 41	10	145,0	3,12	110,1	22	30	69	1"	1.050	860	1.125	367
ROBOT 42	13	188,5	2,72	96,0	22	30	69	1"	1.050	860	1.125	367
ROBOT 50	7,5	108,7	5,00	176,5	30	40	70	1 1/2"	1.455	880	1.185	510
ROBOT 51	10	145,0	4,25	150,0	30	40	70	1 1/2"	1.455	880	1.185	510
ROBOT 52	13	188,5	3,70	130,6	30	40	70	1 1/2"	1.455	880	1.185	510
ROBOT 60	7,5	108,7	6,00	211,8	37	50	70	1 1/2"	1.405	1.110	1.614	760
ROBOT 61	10	145,0	5,20	183,6	37	50	70	1 1/2"	1.405	1.110	1.614	760
ROBOT 62	13	188,5	4,40	155,3	37	50	70	1 1/2"	1.405	1.110	1.614	760
ROBOT 65	7,5	108,7	6,50	229,5	37	50	70	1 1/2"	1.405	1.110	1.614	790
ROBOT 66	10	145,0	5,57	196,7	37	50	70	1 1/2"	1.405	1.110	1.614	790

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 8,5-66 SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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ROBOT 80-147 —

(45 kW - 90 kW)

POPULAR MEMBER OF OUR COMPRESSOR FAMILY

PERFECT FOR CONFIDENT, POWERFUL AND BOLD ENTERPRISES.



FEATURES AND ADVANTAGES OF THE SYSTEM

LEAN & MODERN DESIGN

THE CANOPY IS DESIGNED FOR EASE-OF-SERVICE WITH MINIMAL & RELIABLE CONNECTIONS. INDEPENDENT, SILENT COOLING FANS WITH INTEGRATED-MOTORS PROVIDE EFFICIENT REMOVAL OF CABINET AIR.

- 3 PHASE / 50HZ / 380-400V ELECTRIC MOTOR
- ELECTRONIC CONTROL / COMMAND SYSTEM WITH MICROPROCESSOR (SELTRONIK)
- AIR INLET FILTER AND SUCTION REGULATOR
- SAFETY VALVE
- MINIMUM PRESSURE CHECKVALVE
- FACTORY FILLED OIL
- SOUND AND VIBRATION ISOLATED, ROBUST CHASSIS AND CANOPY
- BELT-DRIVE WITH AUTOMATIC BELT TENSIONING SYSTEM
- STAR-DELTA STARTING MODE.

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
ROBOT 80	7,5	108,7	7,60	268,4	45	60	71	2"	1.905	1.210	1.470	1.300
ROBOT 81	10	145,0	6,55	231,3	45	60	71	2"	1.905	1.210	1.470	1.300
ROBOT 82	12	174,0	5,62	194,2	45	60	71	2"	1.905	1.210	1.470	1.300
ROBOT 85	7,5	108,7	8,10	286,0	45	60	71	2"	1.905	1.210	1.470	1.310
ROBOT 86	10	145,0	6,90	243,6	45	60	71	2"	1.905	1.210	1.470	1.310
ROBOT 87	13	188,5	5,50	194,2	45	60	71	2"	1.905	1.210	1.470	1.310
ROBOT 90	7,5	108,7	9,00	317,8	55	75	72	2"	1.905	1.210	1.470	1.320
ROBOT 91	10	145,0	7,75	273,6	55	75	72	2"	1.905	1.210	1.470	1.320
ROBOT 92	13	188,5	6,49	229,1	55	75	72	2"	1.905	1.210	1.470	1.320
ROBOT 95	7,5	108,7	9,35	330,1	55	75	73	2"	1.905	1.210	1.470	1.340
ROBOT 105	7,5	108,7	10,50	370,8	55	75	74	2"	1.905	1.210	1.470	1.340
ROBOT 106	10	145,0	9,05	319,5	55	75	74	2"	1.905	1.210	1.470	1.340
ROBOT 107	13	188,5	7,56	266,9	55	75	74	2"	1.905	1.210	1.470	1.340
ROBOT 120	7,5	108,7	11,95	422,0	75	100	75	2"	1.905	1.350	1.685	1.650
ROBOT 121	10	145,0	10,89	384,5	75	100	75	2"	1.905	1.350	1.685	1.650
ROBOT 122	13	188,5	9,00	317,8	75	100	75	2"	1.905	1.350	1.685	1.650
ROBOT 130	7,5	108,7	12,55	443,1	75	100	75	2"	1.905	1.350	1.685	1.670
ROBOT 131	10	145,0	10,95	386,6	75	100	75	2"	1.905	1.350	1.685	1.670
ROBOT 132	13	188,5	9,50	335,4	75	100	75	2"	1.905	1.350	1.685	1.670
ROBOT 140	7,5	108,7	13,60	480,2	75	100	75	2"	1.905	1.350	1.685	1.720
ROBOT 141	10	145,0	12,44	439,3	75	100	75	2"	1.905	1.350	1.685	1.720
ROBOT 142	13	188,5	10,43	368,3	75	100	75	2"	1.905	1.350	1.685	1.720
ROBOT 145	7,5	108,7	14,25	503,2	90	125	75	2"	1.905	1.350	1.685	1.750
ROBOT 146	10	145,0	12,71	448,8	90	125	75	2"	1.905	1.350	1.685	1.750
ROBOT 147	13	188,5	11,00	388,4	90	125	75	2"	1.905	1.350	1.685	1.750

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

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ROBOT 155-232 _

(90 kW - 132 kW)

SUITABLE CHOICE FOR YOU TO FOCUS ON YOUR WORK

LET IT HANDLE THE COMPRESSED AIR; SO THAT YOU CAN FOCUS ON YOUR GROWTH.

NEW

SCREW BLOCK

FAIL SAFE SYSTEM-FSS : SPECIALLY DESIGNED "SHAFT SEAL SYSTEM" FOR ELIMINATION OF OIL LEAKAGES FROM THE BLOCK HOUSING.

INTEGRATED DESIGN

OIL FILTER AND THERMOSTATIC BYPASS VALVE ARE INTEGRATED TO THE SCREW BLOCK. THIS MODULAR CONCEPT DESIGN MAKES THE SCREW BLOCK MORE COMPACT AND EASIER TO MAINTAIN.

SWITCH CABINET

THE CABINET HOUSING IS ACCORDING TO IP 55 PROTECTION. COMPONENTS ARE ACCORDING TO STANDARD DIN/EN 60204-1. IT IS INTEGRATED INTO THE CANOPY, EASY TO USE AND MAINTAIN.

CONTENTS OF SWITCH CABINET

STAR-DELTA CONTACTOR COMBINATION, FAN CONTACTOR, MOTOR PROTECTION SWITCH AND FUSES, POWER SOURCE (24V), EMERGENCY STOP SWITCH, ON / OFF BUTTON, CONTROL BOARD (CPU LCD DIGITAL DISPLAY).

BELT DRIVE WITH AUTOMATIC TENSIONING SYSTEM.



ELECTRIC MOTOR

CAPABILITY TO DRIVE THE SCREW VIA V-BELT.
STAR-DELTA DRIVING MODE.
90 kW (125 HP) - 132 kW (180 HP) POWER RANGE.
T.E.F.C, INDUCTION, ALTERNATIVE CURRENT (AC),
LOW VOLTAGE (LV), WITH FOOT, CAST IRON INDUSTRIAL TYPE.
ENCLOSURE CLASS IP55 AND INSULATION CLASS F.
3 PHASE, 50 HZ, 380-400V, AND 2-POLE 3000 RPM.

ELECTRONIC CONTROL SYSTEM

“SELTRONIK MICROPROCESSOR ELECTRONIC CONTROL SYSTEM”.
SYSTEM PROTECTS THE COMPRESSOR UNIT (FAULT DETECTION).
DISPLAY OF SERVICE PERIODS AND STATUS INDICATION.
ALL OPERATIONAL CONTROL PARAMETERS.
RS485 COMMUNICATION PORT.
CLEARLY-ARRANGED CUSTOM BACKLIT LCD DIGITAL DISPLAY.

MOUNTING AND CANOPY

STRONG AND VIBRATION-INSULATED CHASSIS AND CANOPY.
SIDE PANELS ALLOW FOR MAINTENANCE AND SERVICE WORK.
FIRE AND SOUND RESISTANT FOAM RUBBER LAYERS INSIDE PANELS.
SUITABLE FOR AIR DUCT ADDITIONS; INLET AND DISCHARGE.

SILENT AXIAL FANS WITH INTEGRATED MOTORS

FRESH COOLING AIR IS SUCKED FROM AMBIENT AND COOLS
OTHER COMPONENTS SUCH AS MAIN ELECTRIC MOTOR, AIREND
BEFORE REACHING THE COOLING FANS TO BE DISCHARGED OUTSIDE
OF UNIT.

FILTRATION

HIGHLY EFFICIENT AIR INTAKE, OIL AND SEPARATOR FILTERS WITH
WIDE SURFACE AREA; SPECIALLY DESIGNED TO COMPRESSORS. 99.9 %
FILTRATION CAPACITY.

OIL CIRCUIT

TO ENSURE THE HIGHEST PERFORMANCE AND LONGER COMPONENT
LIFE: SEMI-SYNTHETIC COMPRESSOR OIL. INTEGRATED
THERMOSTATIC BYPASS VALVE AND OIL FILTER. OPTIMUM VOLUME
OF OIL IN THE CIRCULATION SYSTEM. STEEL CONNECTIONS.
HIGH INTEGRATION OF LINKAGES FOR MINIMUM COMPONENT
NUMBER.
CORROSION-PROTECTED, MULTI-STAGED AIR/OIL SEPARATOR TANK.

COOLING AND VENTILATION

LARGELY DIMENSIONED, LIGHTWEIGHT ALUMINIUM OIL/AIR
COOLERS WITH EXTENDED SURFACE AREA INCORPORATED INTO
CANOPY.
SUITABLE FOR OPERATING UNDER HEAVY-DUTY CONDITIONS.

UNIT COLOR

RAL 5001 GREEN BLUE.

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Compressed Air Connection	Sound Level from 1 mt. (dbA)	Dimensions			Total Weight (kg)
	(bar g)	(psi)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
ROBOT 155	7,5	108,7	15,10	533,3	90	125	2"	76	2.105	1.610	1.860	1.850
ROBOT 156	10	145,0	13,20	466,1	90	125	2"	76	2.105	1.610	1.860	1.850
ROBOT 157	13	188,5	11,10	392,0	90	125	2"	76	2.105	1.610	1.860	1.850
ROBOT 165	7,5	108,7	16,25	573,8	90	125	2"	76	2.105	1.610	1.860	1.870
ROBOT 166	10	145,0	13,95	492,6	90	125	2"	76	2.105	1.610	1.860	1.870
ROBOT 167	13	188,5	11,90	420,2	90	125	2"	76	2.105	1.610	1.860	1.870
ROBOT 180	7,5	108,7	17,45	616,2	90	125	3"	77	2.105	1.610	1.860	2.440
ROBOT 181	10	145,0	15,47	546,3	90	125	3"	77	2.105	1.610	1.860	2.440
ROBOT 182	13	188,5	13,45	474,9	90	125	3"	77	2.105	1.610	1.860	2.440
ROBOT 195	7,5	108,7	19,20	678,0	110	150	3"	77	2.105	1.610	1.860	2.500
ROBOT 196	10	145,0	16,75	591,5	110	150	3"	77	2.105	1.610	1.860	2.500
ROBOT 197	13	188,5	14,25	503,2	110	150	3"	77	2.105	1.610	1.860	2.500
ROBOT 210	7,5	108,7	20,77	733,5	110	150	3"	77	2.105	1.610	1.860	2.840
ROBOT 211	10	145,0	18,63	657,9	110	150	3"	77	2.105	1.610	1.860	2.840
ROBOT 212	13	188,5	16,21	572,4	110	150	3"	77	2.105	1.610	1.860	2.840
ROBOT 230	7,5	108,7	22,87	807,6	132	180	3"	78	2.405	1.760	1.860	2.900
ROBOT 231	10	145,0	20,10	709,8	132	180	3"	78	2.405	1.760	1.860	2.900
ROBOT 232	13	188,5	17,45	616,2	132	180	3"	78	2.405	1.760	1.860	2.900

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

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ROBOT 250-432 _

(132 kW - 250 kW)

RIGHT SOLUTIONS FOR LARGE FACILITIES

THE MOST PROFESSIONAL PLAYER IN ITS CLASS IS ON THE FIELD.



SCREW BLOCK

FAIL SAFE SYSTEM-FSS : SPECIALLY DESIGNED "SHAFT SEAL SYSTEM" FOR ELIMINATION OF OIL LEAKAGES FROM THE BLOCK HOUSING.

INTEGRATED DESIGN

OIL FILTER AND THERMOSTATIC BYPASS VALVE ARE INTEGRATED TO THE SCREW BLOCK. THIS MODULAR CONCEPT DESIGN MAKES THE SCREW BLOCK MORE COMPACT AND EASIER TO MAINTAIN.

SWITCH CABINET

THE CABINET HOUSING IS ACCORDING TO IP 55 PROTECTION. COMPONENTS ARE ACCORDING TO STANDARD DIN/EN 60204-1. IT IS INTEGRATED INTO THE CANOPY, EASY TO USE AND MAINTAIN.

CONTENTS OF SWITCH CABINET

STAR-DELTA CONTACTOR COMBINATION, FAN CONTACTOR, MOTOR PROTECTION SWITCH AND FUSES, POWER SOURCE (24V), EMERGENCY STOP SWITCH, ON / OFF BUTTON, CONTROL BOARD (CPU LCD DIGITAL DISPLAY).

BELT DRIVE WITH AUTOMATIC TENSIONING SYSTEM.



TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*		Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
	(bar g)	(psi)	(m³/min)	(cfm)	(kW)	(HP)			Length (mm)	Width (mm)	Height (mm)	
ROBOT 250	7,5	108,7	24,70	872,3	132	180	78	DN100-PN16	2.840	1.930	2.018	4.750
ROBOT 251	10	145,0	21,50	759,3	132	180	78	DN100-PN16	2.840	1.930	2.018	4.750
ROBOT 290	7,5	108,7	30,20	1.066,5	160	220	78	DN100-PN16	2.840	1.930	2.018	4.900
ROBOT 291	10	145,0	26,50	935,8	160	220	78	DN100-PN16	2.840	1.930	2.018	4.900
ROBOT 292	13	188,5	22,10	780,4	160	220	78	DN100-PN16	2.840	1.930	2.018	4.900
ROBOT 370	7,5	108,7	36,60	1.291,5	200	270	79	DN100-PN16	2.840	1.930	2.018	5.000
ROBOT 371	10	145,0	31,00	1.094,7	200	270	79	DN100-PN16	2.840	1.930	2.018	5.000
ROBOT 372	13	188,5	27,20	960,5	200	270	79	DN100-PN16	2.840	1.930	2.018	5.000
ROBOT 430	7,5	108,7	42,70	1.507,9	250	340	80	DN100-PN16	2.840	1.930	2.355	5.200
ROBOT 431	10	145,0	38,00	1.341,9	250	340	80	DN100-PN16	2.840	1.930	2.355	5.200
ROBOT 432	13	188,5	33,20	1.172,4	250	340	80	DN100-PN16	2.840	1.930	2.355	5.200

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

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SARMAK
COMPRESSORS + ENGINEERING

SARMAK VARIABLE SPEED SCREW COMPRESSORS _

AIR COMPRESSORS (OIL LUBRICATED)

(11 kW - 250 kW)

EFFICIENCY WITH “LESS ENERGY TO DO MORE”

ADDITIONAL SUPPORT WITH ENERGY SAVINGS.

FEATURES AND ADVANTAGES OF THE SYSTEM

HIGH QUALITY FREQUENCY CONVERTERS (INVERTOR)

INVERTERS USED IN VARIABLE SPEED MODELS AFFECT THE ELECTRIC MOTOR'S FREQUENCY; THUS ITS SPEED ADAPTS TO THE EXACT COMPRESSED AIR DEMAND.

FIXED PRESSURE VALUE

INSTEAD OF THE COMPRESSOR RUNNING BETWEEN LOW PRESSURE-HIGH PRESSURE BAND (ON/OFF OPERATION REGIME); BY THE HELP OF THE INVERTER, THE UNIT RUNS ON A FIXED PRESSURE VALUE, THEREFORE SAVES ENERGY.

LOW CURRENT

ELECTRIC MOTOR'S CURRENT LEVEL IS LOWER AT THE START UP; THEREFORE THERE ARE LOWER LOADS ON THE MOTOR AND ELECTRIC SUPPLY SYSTEM.

LONGER LIFE

SINCE THE COMPRESSOR IS RUNNING MUCH MORE EFFICIENTLY, THE COMPONENTS WEAR LESS. ACCORDINGLY, IT MEANS LOWER COSTS.

VARIABLE SPEED (FREQUENCY CONVERTER/INVERTOR) MODELS.

SINGLE OR DUAL INVERTOR OPTIONS.

WIDE MODEL RANGE FOR DIFFERENT DEMANDS

DIRECT-DRIVE (1:1 WITHOUT GEARBOX) OR BELT DRIVE WITH AUTOMATIC TENSIONING SYSTEM



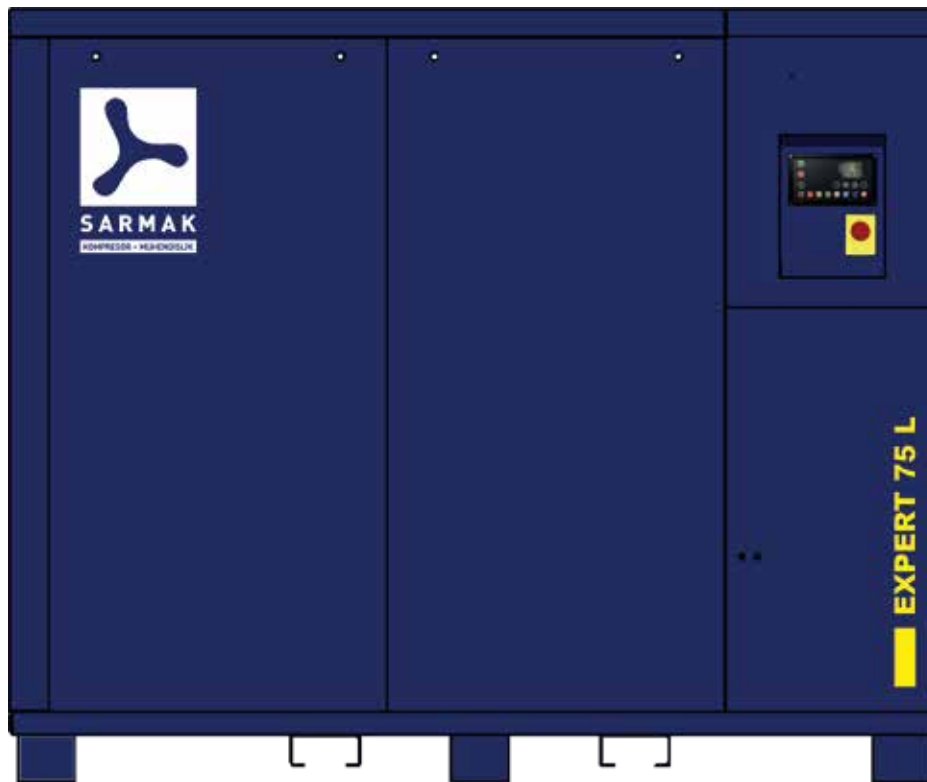
EXPERT 11-110 –

(11 kW - 110 kW)

DIRECT-DRIVE & VARIABLE SPEED; OPTIMUM CAPACITY SERIES

ECONOMIC POWER CONSUMPTION WITH LEAN & MODERN DESIGN.

NEW



FEATURES AND ADVANTAGES OF THE SYSTEM

- OIL INJECTED
- AIR COOLED
- HIGH PERFORMANCE SCREW BLOCK
- 3 PHASE / 50HZ / 380V ELECTRIC MOTOR
- ELECTRONIC CONTROL / COMMAND SYSTEM WITH MICROPROCESSOR (SELTRONIK)
 - AIR FILTER / OIL FILTER / SEPARATOR / OIL CHANGE INDICATORS
 - PERIODIC MAINTENANCE INDICATORS
 - ERRORS AND ALARMS
- INLET AIR FILTER AND SUCTION REGULATOR
- AIR COOLED AIR / OIL COMBICOOLER WITH WIDE SURFACE AREA
- SAFETY VALVE, MIN. PRESSURE CHECKVALVE
- FACTORY FILLED OIL
- SOUND AND VIBRATION ISOLATED, ROBUST CHASSIS AND CANOPY

TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*				Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
			Minimum		Maximum						Length (mm)	Width (mm)	Height (mm)	
	(bar g)	(psi g)	(m³/min)	(cfm)	(m³/min)	(cfm)	(kW)	(HP)						
EXPERT 11	7,5	108,7	0,63	22,2	1,70	60,0	11	15	67	3/4"	1.205	910	1.330	385
EXPERT 15	7,5	108,7	0,67	23,6	2,20	77,7	15	20	68	3/4"	1.255	910	1.330	390
	10	145,0	0,70	24,7	1,75	61,8	15	20	68	3/4"	1.255	910	1.330	390
EXPERT 18	7,5	108,7	1,15	40,6	3,15	111,2	18,5	25	69	1"	1.255	910	1.365	490
	10	145,0	1,09	38,4	2,52	88,9	18,5	25	69	1"	1.255	910	1.365	490
	13	188,5	1,10	38,8	1,93	68,1	18,5	25	69	1"	1.255	910	1.365	490
EXPERT 22	7,5	108,7	1,33	46,9	3,65	128,8	22	30	69	1"	1.255	910	1.365	510
	10	145,0	1,35	47,6	3,00	105,9	22	30	69	1"	1.255	910	1.365	510
	13	188,5	1,40	49,4	2,57	90,7	22	30	69	1"	1.255	910	1.365	510
EXPERT 30	7,5	108,7	1,61	56,8	5,23	184,6	30	40	70	1 1/2"	1.555	1.010	1.600	585
	10	145,0	1,55	54,7	4,25	150,0	30	40	70	1 1/2"	1.555	1.010	1.600	585
	13	188,5	1,42	50,1	3,60	127,1	30	40	70	1 1/2"	1.555	1.010	1.600	585
EXPERT 37	7,5	108,7	2,10	74,1	6,00	211,8	37	50	70	1 1/2"	1.555	1.010	1.600	800
	10	145,0	2,00	70,6	5,20	183,6	37	50	70	1 1/2"	1.555	1.010	1.600	800
	13	188,5	1,88	66,3	4,00	141,2	37	50	70	1 1/2"	1.555	1.010	1.600	800
EXPERT 45	7,5	108,7	2,65	93,5	7,45	263,0	45	60	72	2"	1.805	1.160	1.750	1.360
	10	145,0	2,55	90,0	6,39	225,6	45	60	72	2"	1.805	1.160	1.750	1.360
	12	174,0	2,49	87,9	5,62	198,4	45	60	72	2"	1.805	1.160	1.750	1.360
EXPERT 55	7,5	108,7	2,74	96,7	8,95	316,0	55	75	73	2"	1.805	1.160	1.750	1.620
	10	145,0	3,10	109,4	7,71	272,2	55	75	73	2"	1.805	1.160	1.750	1.620
	13	188,5	2,59	91,4	6,45	227,7	55	75	73	2"	1.805	1.160	1.750	1.620
EXPERT 55L	7,5	108,7	3,22	113,7	9,30	328,4	55	75	73	2"	1.805	1.160	1.750	1.620
EXPERT 75	7,5	108,7	3,67	129,6	11,50	406,1	75	100	75	2"	2.005	1.350	1.860	1.800
	10	145,0	3,60	127,1	10,25	361,9	75	100	75	2"	2.005	1.350	1.860	1.800
	13	188,5	3,50	123,6	9,04	319,2	75	100	75	2"	2.005	1.350	1.860	1.800
EXPERT 75L	7,5	108,7	4,35	153,6	12,50	441,4	75	100	75	2"	2.405	1.350	1.860	2.000
	10	145,0	4,10	144,7	10,94	368,3	75	100	75	2"	2.405	1.350	1.860	2.000
	13	188,5	4,00	141,2	9,40	331,9	75	100	75	2"	2.405	1.350	1.860	2.000
EXPERT 90	7,5	108,7	5,10	180,1	15,10	533,3	90	125	76	2"	2.405	1.350	1.860	2.100
	10	145,0	4,50	158,9	13,20	466,1	90	125	76	2"	2.405	1.350	1.860	2.100
	13	188,5	5,54	195,6	11,10	392,0	90	125	76	2"	2.405	1.350	1.860	2.100
EXPERT 110	7,5	108,7	7,10	252,8	19,20	678,0	110	150	77	3"	2.655	1.610	1.860	2.655
	10	145,0	6,90	243,6	16,75	591,5	110	150	77	3"	2.655	1.610	1.860	2.655
	13	188,5	6,82	240,8	14,25	503,2	110	150	77	3"	2.655	1.610	1.860	2.655

DUAL INVERTOR OPTION IS ONLY AVAILABLE IN "EXPERT-E" SERIES. (Except 110 kW)

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR). (NOTE: EXPERT 45-12 AT 11,5 BAR)

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (KW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE [CAGI PNEUROP PN2CPTC2-ISO 1217], SOUND LEVEL [CAGI PNEUROP PN8NTC2], QUALITY ASSURANCE [ISO 9001:2015].

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION EXPERT 11-110 SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

ROBOT 15-62 DA-

(11 kW - 37 kW)

EFFICIENT FIRST STEP FOR COMPANIES WITH GRAND TARGETS

ENERGY SAVER SMALL ROBOTS ARE READY FOR MISSION.



PLEASE LOOK AT PAGE 14 FOR EXPLANATIONS —



TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*				Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
			Minimum		Maximum						Length (mm)	Width (mm)	Height (mm)	
	(bar g)	(psi)	(m³/min)	(cfm)	(m³/min)	(cfm)	(kW)	(HP)						
ROBOT 15 DA	7,5	108,7	0,49	26,8	1,70	60,0	11	15	67	3/4"	1.205	830	990	385
ROBOT 16 DA	10	145,0	0,45	26,5	1,50	52,9	11	15	67	3/4"	1.205	830	990	385
ROBOT 17 DA	13	188,5	0,51	28,9	1,25	44,1	11	15	67	3/4"	1.205	830	990	385
ROBOT 20 DA	7,5	108,7	0,80	28,3	2,30	81,2	15	20	68	3/4"	1.205	830	990	395
ROBOT 21 DA	10	145,0	0,74	26,1	2,00	70,6	15	20	68	3/4"	1.205	830	990	395
ROBOT 22 DA	13	188,5	0,70	24,7	1,62	57,2	15	20	68	3/4"	1.205	830	990	395
ROBOT 30 DA	7,5	108,7	1,15	40,6	3,20	113,0	18,5	25	69	1"	1.505	935	1.365	490
ROBOT 31 DA	10	145,0	1,09	38,4	2,60	91,8	18,5	25	69	1"	1.505	935	1.365	490
ROBOT 32 DA	13	188,5	1,10	38,8	2,30	81,2	18,5	25	69	1"	1.505	935	1.365	490
ROBOT 40 DA	7,5	108,7	1,33	46,9	3,65	128,8	22	30	69	1"	1.505	935	1.365	510
ROBOT 41 DA	10	145,0	1,35	47,6	3,12	110,1	22	30	69	1"	1.505	935	1.365	510
ROBOT 42 DA	13	188,5	1,40	49,4	2,72	96,0	22	30	69	1"	1.505	935	1.365	510
ROBOT 50 DA	7,5	108,7	1,33	46,9	5,00	176,5	30	40	70	1 1/2"	1.455	880	1.185	585
ROBOT 51 DA	10	145,0	1,35	47,6	4,25	150,0	30	40	70	1 1/2"	1.455	880	1.185	585
ROBOT 52 DA	13	188,5	1,40	49,4	3,70	130,6	30	40	70	1 1/2"	1.455	880	1.185	585
ROBOT 60 DA	7,5	108,7	2,10	74,2	6,00	211,8	37	50	70	1 1/2"	1.755	1.110	1.614	800
ROBOT 61 DA	10	145,0	2,00	70,6	5,20	183,6	37	50	70	1 1/2"	1.755	1.110	1.614	800
ROBOT 62 DA	13	188,5	2,20	77,6	4,40	155,3	37	50	70	1 1/2"	1.755	1.110	1.614	800

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 15-62 DA SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

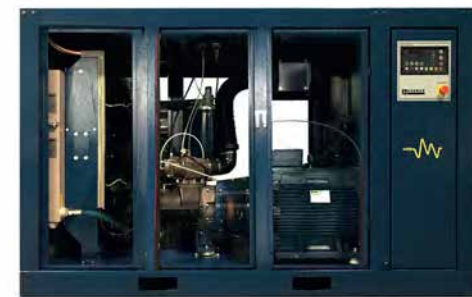
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ROBOT 65-142 DAC _

(37 kW - 75 kW)

DIRECT-DRIVE & VARIABLE SPEED; HIGH PERFORMANCE SERIES

ROBUST CONSTRUCTION FOR HEAVY DUTY APPLICATIONS



PLEASE LOOK AT PAGE 16 FOR EXPLANATIONS _



TECHNICAL SPECIFICATIONS

Model	Max.Operating Pressure		Free Air Delivery*				Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
			Minimum		Maximum						Length (mm)	Width (mm)	Height (mm)	
	(bar g)	(psi)	(m³/min)	(cfm)	(m³/min)	(cfm)	(kW)	(HP)						
ROBOT 65 DAC	7,5	108,7	1,85	65,3	6,50	229,5	37	50	70	1 1/2"	1.555	1.010	1.600	800
ROBOT 66 DAC	10	145,0	2,00	70,6	5,57	196,7	37	50	70	1 1/2"	1.555	1.010	1.600	800
ROBOT 85 DAC	7,5	108,7	2,32	81,9	8,10	286,0	45	60	72	2"	1.805	1.160	1.750	1.360
ROBOT 86 DAC	10	145,0	2,07	73,1	6,90	243,6	45	60	72	2"	1.805	1.160	1.750	1.360
ROBOT 87 DAC	13	188,5	1,95	64,6	5,50	194,2	45	60	72	2"	1.805	1.160	1.750	1.360
ROBOT 105 DAC	7,5	108,7	2,44	86,1	10,50	370,8	55	75	74	2"	1.805	1.160	1.750	1.620
ROBOT 106 DAC	10	145,0	2,85	100,6	9,05	319,5	55	75	74	2"	1.805	1.160	1.750	1.620
ROBOT 107 DAC	13	188,5	2,50	88,2	7,56	266,9	55	75	74	2"	1.805	1.160	1.750	1.620
ROBOT 140 DAC	7,5	108,7	3,36	118,6	13,60	480,2	75	100	76	2"	2.405	1.350	1.860	2.100
ROBOT 141 DAC	10	145,0	3,85	135,9	12,44	439,3	75	100	76	2"	2.405	1.350	1.860	2.100
ROBOT 142 DAC	13	188,5	4,30	151,8	10,43	368,3	75	100	76	2"	2.405	1.350	1.860	2.100

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 65-142 DAC SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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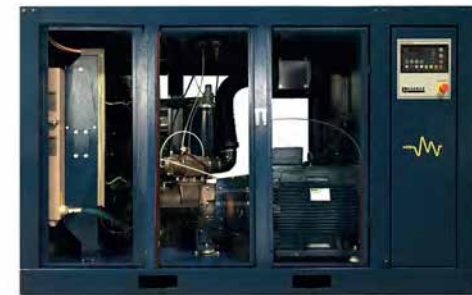
ROBOT 165-232 DAC_

(90 kW - 132 kW)

DIRECT-DRIVE & VARIABLE SPEED; HIGH PERFORMANCE SERIES

GREEN CHOICE FOR YOU TO FOCUS ON YOUR WORK

NEW



PLEASE LOOK AT PAGE 18 & 19 FOR EXPLANATIONS —



TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*				Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
			Minimum		Maximum						Length (mm)	Width (mm)	Height (mm)	
	(bar g)	(psi g)	(m³/min)	(cfm)	(m³/min)	(cfm)	(kW)	(HP)						
ROBOT 165 DAC	7,5	108,7	6,30	222,4	16,25	573,8	90	125	76	2"	2.655	1.610	1.860	2.500
ROBOT 166 DAC	10	145,0	6,83	241,2	13,95	492,6	90	125	76	2"	2.655	1.610	1.860	2.500
ROBOT 167 DAC	13	188,5	6,67	235,5	11,90	420,2	90	125	76	2"	2.655	1.610	1.860	2.500
ROBOT 180 DAC	7,5	108,7	6,50	229,5	17,45	616,2	90	125	77	3"	2.655	1.610	1.860	2.920
ROBOT 181 DAC	10	145,0	7,05	248,9	15,47	546,3	90	125	77	3"	2.655	1.610	1.860	2.920
ROBOT 182 DAC	13	188,5	6,88	242,9	13,45	474,9	90	125	77	3"	2.655	1.610	1.860	2.920
ROBOT 210 DAC	7,5	108,7	7,39	260,9	20,77	733,4	110	150	77	3"	2.655	1.610	1.860	3.060
ROBOT 211 DAC	10	145,0	7,12	251,4	18,63	657,9	110	150	77	3"	2.655	1.610	1.860	3.060
ROBOT 212 DAC	13	188,5	7,03	248,2	16,21	572,4	110	150	77	3"	2.655	1.610	1.860	3.060
ROBOT 230 DAC	7,5	108,7	7,05	248,9	22,87	807,6	132	180	78	3"	2.905	1.760	1.860	3.260
ROBOT 231 DAC	10	145,0	6,70	236,6	20,10	709,8	132	180	78	3"	2.905	1.760	1.860	3.260
ROBOT 232 DAC	13	188,5	6,90	243,6	17,45	616,2	132	180	78	3"	2.905	1.760	1.860	3.260

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 165-232 DAC SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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ROBOT 250-481 DAC _

(132 kW - 250 kW)

DIRECT-DRIVE & VARIABLE SPEED; HIGH PERFORMANCE SERIES

THE MOST PROFESSIONAL AND EFFICIENT PLAYER IN ITS CLASS IS ON THE FIELD.

LARGELY DIMENSIONED AIR COOLER

OPTIMUM COOLING FOR LOW OPERATING TEMPERATURE AND LOW DISCHARGE TEMPERATURE. EASY MAINTENANCE AND CONTROL. LOWER LOAD FOR THE DRYER DOWNSTREAM.

THERMOSTATICALLY CONTROLLED COOLING FANS

SUCTION OF COOLING FANS PROVIDE EFFICIENT REMOVAL OF INLET CABINET AIR FOR DISCHARGING TO THE AMBIENT ENVIRONMENT.

CONTROL SYSTEM

MICROPROCESSOR CONTROLLED ELECTRONIC CONTROL SYSTEM. ALL NECESSARY COMPRESSOR PARAMETERS UNDER CONTROL.

LOW MAINTENANCE COSTS

OVERALL UNIT DESIGN IS EASY FOR SERVICE. WIDE AREAS FOR TECHNICIANS PROVIDE EASIER CONTROL AND MAINTENANCE.

LARGELY DIMENSIONED OIL COOLER

LOWERS CLOSED LOOP OIL TEMPERATURE. LENGTHENS LIFE OF COMPONENTS SUCH AS OIL, OIL FILTER, OIL SEAL. CONVEYS LESS PRESSURE DROP.

ROBUST CHASSIS

SPECIALLY DESIGNED ROBUST CHASSIS FOR OPTIMUM DIMENSIONS.

LEAN & MODERN DESIGN

SILENT AXIAL FANS WITH INTEGRATED MOTORS. OTHER COMPONENTS SUCH AS MAIN ELECTRIC MOTOR, AIREND BEFORE REACHING THE COOLING FANS TO BE DISCHARGED OUTSIDE OF UNIT.

DIRECT DRIVE SYSTEM

VIA HIGH QUALITY & DURABLE ELASTIC COUPLING ELECTRIC MOTOR AND AIREND SHAFTS ARE EASILY ALIGNED FOR 'NO-LOSS TRANSMISSION'.

HIGH QUALITY ELECTRIC MOTOR

132 kW (180 HP) - 250 kW (340 HP) MAIN MOTORS RELIABLY DRIVE THE SUITABLE AIRENDS AT CERTAIN SPEEDS.

HIGH PERFORMANCE SEPARATOR ELEMENT

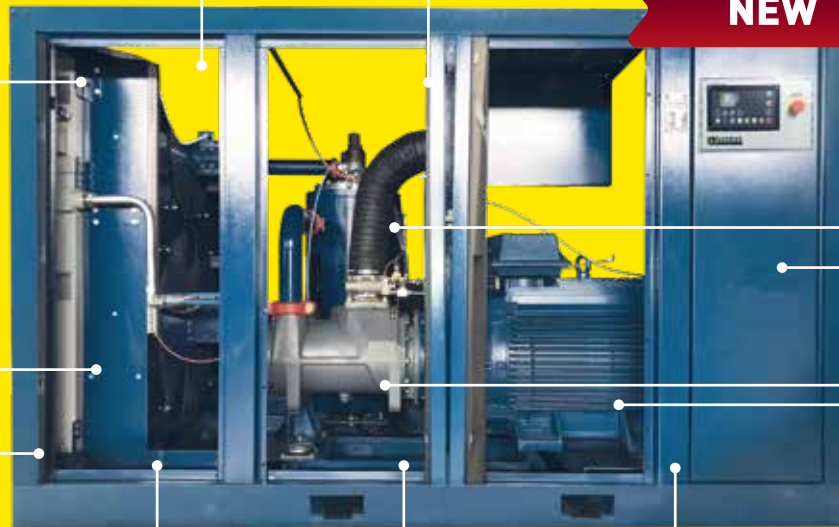
2 STAGE FILTRATION SYSTEM PROVIDES LESS THAN 3 PPM OIL RESIDUE IN DISCHARGE COMPRESSED AIR.

LOW NOISE LEVEL:

COMPRESSOR DESIGN WITH INSULATED PANELS & SILENT FANS PROVIDE LOW NOISE LEVELS.

HIGH QUALITY AIREND

LOW ROTATION SPEED, HIGH EFFICIENCY AIREND CONSUMES LESS SHAFT POWER AND PROVIDES RELIABLE OPERATION.





TECHNICAL SPECIFICATIONS

Model	Max. Operating Pressure		Free Air Delivery*				Nominal Motor Power		Sound Level from 1 mt. (dbA)	Compressed Air Connection	Dimensions			Total Weight (kg)
			Minimum		Maximum						Length (mm)	Width (mm)	Height (mm)	
	(bar g)	(psi g)	(m³/min)	(cfm)	(m³/min)	(cfm)	(kW)	(HP)						
ROBOT 250 DAC	7,5	108,7	8,20	289,5	24,70	872,3	132	180	78	DN100-PN16	3,490	1.930	2.018	4.900
ROBOT 251 DAC	10	145,0	8,01	282,8	21,50	759,3	132	180	78	DN100-PN16	3.490	1.930	2.018	4.900
ROBOT 270 DAC	7,5	108,7	9,15	323,1	26,50	635,6	132	180	78	DN100-PN16	3,490	1.930	2.018	4.950
ROBOT 290 DAC	7,5	108,7	8,70	307,2	30,20	1.066,5	160	220	78	DN100-PN16	3,490	1.930	2.018	5.100
ROBOT 291 DAC	10	145,0	8,31	293,4	26,50	935,8	160	220	78	DN100-PN16	3,490	1.930	2.018	5.100
ROBOT 292 DAC	13	188,5	9,04	319,2	22,10	780,4	160	220	78	DN100-PN16	3,490	1.930	2.018	5.100
ROBOT 370 DAC	7,5	108,7	10,73	378,9	36,60	1.291,5	200	270	79	DN100-PN16	3,490	1.930	2.018	5.370
ROBOT 371 DAC	10	145,0	10,02	353,8	31,00	1.094,7	200	270	79	DN100-PN16	3,490	1.930	2.018	5.370
ROBOT 372 DAC	13	188,5	11,50	406,1	27,20	960,5	200	270	79	DN100-PN16	3,490	1.930	2.018	5.370
ROBOT 430 DAC	7,5	108,7	13,50	476,7	42,70	1.507,9	250	340	80	DN100-PN16	3,490	1.930	2.355	5.600
ROBOT 431 DAC	10	145,0	13,05	460,8	38,00	1.341,9	250	340	80	DN100-PN16	3,490	1.930	2.355	5.600
ROBOT 432 DAC	13	188,5	14,10	497,9	33,20	1.172,4	250	340	80	DN100-PN16	3,490	1.930	2.355	5.600
ROBOT 480 DAC	7,5	108,5	12,82	452,7	47,50	1.677,4	250	340	81	DN100-PN16	3,690	1.930	2.400	6.000
ROBOT 481 DAC	10	145,5	12,45	439,6	39,46	1.393,5	250	340	81	DN100-PN16	3,690	1.930	2.400	6.000

* ALL PERFORMANCE VALUES ARE ACCORDING TO CAGI PNEUROP / PN 2 CPTC 2 NORMS. FREE AIR DELIVERY VALUES ARE GIVEN FOR NOMINAL OPERATING PRESSURES (7 BAR - 9,5 BAR - 12,5 BAR).

GUARANTEED TOLERANCES : UNDER NOMINAL CONDITIONS, THE INDICATED FREE AIR DELIVERY (M3/MIN) AND SPECIFIC POWER (kW X MIN / M3) ARE COMPLIANT WITH ISO 1217-ANNEX C STANDARDS.

STANDARDS : FREE AIR DELIVERY-PRESSURE (CAGI PNEUROP PN2CPTC2-ISO 1217), SOUND LEVEL (CAGI PNEUROP PN8NTC2), QUALITY ASSURANCE (ISO 9001:2015).

MANUFACTURED IN SARMAK MAKINA A.S. FACILITIES, NEW GENERATION ROBOT 250-481 DAC SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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SARMAK
COMPRESSORS + ENGINEERING

SARMAK PISTON COMPRESSORS _

AIR COMPRESSORS

(2,2 kW - 7,5 kW)

LEGEND AND LEGACY

READY TO WORK HARD FOR LONG YEARS.

FEATURES AND ADVANTAGES OF THE SYSTEM

SUITABLE BODY FOR HEAVY DUTY

- CAST IRON CYLINDER AND CYLINDER HEADS
- NODULAR CAST IRON CRANKSHAFT CONNECTED TO BODY BY BALLBEARING
- SPECIAL ALLOY ALUMINIUM CONNECTING RODS

LOW MAINTENANCE COSTS

BEST IN CLASS DESIGN PISTON COMPRESSORS MEAN LOW MAINTENANCE COSTS.

RELIABLE BEARING SYSTEM

SELF LUBRICATED SPECIAL ALLOY JOURNAL BEARING (IN TWO-STAGE HEAVY DUTY MODELS, CONNECTING ROD, HUB AND GUDGEON PIN BEARINGS ARE NEEDLE BEARINGS).

SPECIAL VALVES

MANUFACTURED FROM SPECIAL ALLOY STEEL, CONCENTRIC RING TYPE VALVES PROVIDE CONTINUOUS COMPRESSED AIR FLOW.

SAFE MOTOR PROTECTION SWITCH

PROTECTION AGAINST ELECTRICAL FLUCTUATIONS. (ONLY AVAILABLE IN ÇİTA AND PANTER MODELS)



PISTON POWER SERIES _

AIR COMPRESSORS

(2,2 kW-7,5 kW)



TECHNICAL SPECIFICATIONS

SINGLE STAGE

Model	Max.Operating Pressure		Air Suction Capacity (Displacement)		Number of Cylinders	Integrated Reservoir Capacity (lt)	Nominal Motor Power		Dimensions			Total Weight (kg)
	(bar g)	(psi g)	(lt/min)	(cfm)			(kW)	(HP)	Length (mm)	Width (mm)	Height (mm)	
ÇİTA 143	8	116	430	15	2	200	2,2	3	1.480	500	990	165
PANTER 170	8	116	700	25	2	300	4	5,5	1.650	550	1.115	245
KAPLAN 1105 (Without Panel)	8	116	1.050	37	3	500	5,5	7,5	2.020	640	1.320	350
KAPLAN 1105-P (With Panel)	8	116	1.050	37	3	500	5,5	7,5	2.020	640	1.320	350
ASLAN 1140 (Without Panel)	8	116	1.400	49	4	500	7,5	10	2.020	640	1.410	415
ASLAN 1140-P (With Panel)	8	116	1.400	49	4	500	7,5	10	2.020	640	1.410	415

TWO STAGE

Model	Max. Operating Pressure		Air Suction Capacity (Displacement)		Number of Cylinders		Integrated Reservoir Capacity	Nominal Motor Power		Dimensions			Total Weight (kg)
	(bar g)	(psi g)	(lt/min)	(cfm)	(1st stage)	(2nd stage)		(kW)	(HP)	Length (mm)	Width (mm)	Height (mm)	
PANTER 235	15	217	350	12	1	1	300	3	4	1.650	550	1.115	235
KAPLAN 270 (Without Panel)	15	217	700	25	2	1	500	5,5	7,5	2.020	640	1.320	368
KAPLAN 270-P (With Panel)	15	217	700	25	2	1	500	5,5	7,5	2.020	640	1.320	368
ASLAN 2105 (Without Panel)	15	217	1.050	37	3	1	500	7,5	10	2.020	640	1.440	435
ASLAN 2105-P (With Panel)	15	217	1.050	37	3	1	500	7,5	10	2.020	640	1.410	435

- CİTA, PANTER TYPE COMPRESSORS INCLUDE MOTOR PROTECTION SWITCH. (NO NEED FOR ELECTRICAL PANEL)

STANDARDS : MANUFACTURED ACCORDING TO TSE, TSEK, ISO 9001:2008, GOST-R AND 97/23/EC PED DIRECTIVE.

MANUFACTURED IN SARMAK MAKİNA A.Ş. FACILITIES, POWER SERIES COMPRESSORS ARE PRODUCED WITH THE UTMOST IMPORTANCE AND STATE-OF-THE-ART TECHNOLOGY. EACH AND EVERY UNIT IS TESTED IN DETAIL FOR FUNCTIONALITY AND PERFORMANCE IN OUR MODERN TEST CENTER DESIGNED ACCORDING TO ISO STANDARDS. AFTERWARDS, EACH UNIT IS CHECKED BY OUR EXPERIENCED ENGINEERS FOR SARMAK QUALITY ASSURANCES. FINALLY, THE UNIT IS PACKAGED AND SHIPPED FOR START-UP AT CUSTOMER'S SITE.

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SARMAK AIR DRYERS —

(REFRIGERATION TYPE)

INDISPENSABLE COMPANION TO COMPRESSORS

QUALITY DOWNSTREAM COMPRESSED AIR REQUIRES QUALITY DRYERS.



FEATURES OF THE SYSTEM

- ELECTRONIC CONTROL PANEL
- PATENTED ALU-DRY ALUMINIUM EXCHANGER MODULE
- "HOT GAS" BYPASS VALVE
- CONDENSATE DRAIN
- INTEGRATED INLET & DISCHARGE FILTERS UP TO RDS 65 S

NOMINAL CONDITIONS

- 25°C AMBIENT TEMPERATURE
- 35°C INLET AIR TEMPERATURE
- 7 BAR INLET AIR PRESSURE
- 3°C PRESSURE DEW POINT

MAXIMUM CONDITIONS

- 50°C AMBIENT TEMPERATURE
- 60°C INLET TEMPERATURE
- 16 BAR INLET AIR PRESSURE

TECHNICAL SPECIFICATIONS

Model	Capacity**		Connection Ø (In-Out)	Power Supply (Ph/V/Fr)	Dimensions			Total Weight (kg)
	(m³/min)	(cfm)			Width (mm)	Depht (mm)	Height (mm)	
RDS 9 S	0,9	31,8	1/2"	1 / 220 / 50	346	472	600	30
RDS 12 S	1,2	42,4	3/4"	1 / 220 / 50	384	472	671	32
RDS 18 S	1,8	63,6	3/4"	1 / 220 / 50	384	472	671	32
RDS 22 S	2,2	77,7	1"	1 / 220 / 50	468	593	812	44
RDS 26 S	2,6	91,9	1"	1 / 220 / 50	468	593	812	45
RDS 31 S	3,1	109,6	1"	1 / 220 / 50	468	593	812	47
RDS 37 S	3,7	130,8	1"	1 / 220 / 50	505	713	1.111	79
RDS 55 S	5,5	194,4	1 1/2"	1 / 220 / 50	505	713	1.111	83
RDS 65 S	6,5	229,7	2"	3 / 400 / 50	736	859	1.195	140
RDS 85 S	8,5	300,4	2"	3 / 400 / 50	736	859	1.195	140
RDS 110 S	11,0	388,7	2"	3 / 400 / 50	736	859	1.195	150
RDS 130 S	13,0	459,4	2 1/2"	3 / 400 / 50	829	1.104	1.382	226
RDS 178 S	17,8	629,1	2 1/2"	3 / 400 / 50	829	1.104	1.382	234
RDS 200 S	20,0	706,8	3"	3 / 400 / 50	925	1.490	1.591	273
RDS 255 S	25,5	901,2	3"	3 / 400 / 50	925	1.490	1.591	330
RDS 300 S	30,0	1.060,2	4"	3 / 400 / 50	925	1.490	1.591	348
RDS 355 S	35,5	1.254,6	4"	3 / 400 / 50	925	1.490	1.591	348
RDS 400 S	40,0	1.413,6	4"	3 / 400 / 50	925	1.490	1.591	348
RDS 450 S	45,0	1.590,3	NW150	3 / 400 / 50	950	1.700	2.458	552
RDS 500 S	50,0	1.767,0	NW150	3 / 400 / 50	950	1.700	2.458	700
RDS 600 S	60,0	2.120,4	NW150	3 / 400 / 50	950	1.700	2.458	800
RDS 710 S	71,0	2.509,1	NW150	3 / 400 / 50	950	1.700	2.458	950
RDS 800 S	80,0	2.827,2	NW150	3 / 400 / 50	950	2.435	2.458	1.250
RDS 900 S	90,0	3.180,6	NW150	3 / 400 / 50	950	2.435	2.458	1.250
RDS 1060 S	106,0	3.746,0	NW200	3 / 400 / 50	1.205	2.600	2.458	1.500

"INLET LINE FILTER" (1 MICRON PARTICULE - 0,5 MG/M3 OIL) AND "DISCHARGE LINE FILTER" (0,01 MICRON PARTICULE - 0,01 MG/M3 OIL) INTEGRATED UP TO RDS 65 S MODEL.

**** CAPACITY AT 7 BARG. PLEASE CONSULT FOR CORRECTION FACTORS REGARDING DIFFERENT OPERATING PRESSURES, AMBIENT TEMPERATURES, INLET AIR TEMPERATURES, PRESSURE DEW POINTS.**

STANDARDS : MANUFACTURED ACCORDING TO 2006/42/EC, 2014/30/EU, EN ISO 12100:2010, EN60204-1:2018, EN61000-6-2:2005/AC:2005, EN61000-6-4:2007/A1:2011 DIRECTIVES. CERTIFICATION FOR ISO9001:2015 AND ISO14001:2015.

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SARMAK AIR DRYERS —

(ADSORPTION TYPE)

THE CHEMIST WHO WIPES OUT HUMIDITY

SPECIAL DRYER FOR SENSITIVE APPLICATIONS.



FEATURES OF THE SYSTEM

- ELECTRONICALLY CONTROLLED
- MOLECULAR SIEVE AND REGENERATION-TYPE CARBON STEEL TWIN TOWERS
- 15% PURGE AIR
- HEATLESS TYPE

INLET

- INTEGRATED WATER SEPARATOR, OIL ALARM SENSOR, 1 MICRON PARTICULE & 0,5 MG/M3 OIL FILTER

DISCHARGE

- INTEGRATED 0,01 MICRON PARTICULE & 0,01 MG/M3 OIL FILTER

NOMINAL CONDITIONS

- 25°C AIR INLET TEMPERATURE
- 7 BAR INLET AIR PRESSURE
- -40°C / -70°C PRESSURE DEW POINT OPTIONS

MAXIMUM CONDITIONS

- 35°C AIR INLET TEMPERATURE
- 50°C AMBIENT TEMPERATURE
- 13 BARG AIR INLET PRESSURE

APPLICATION AREAS

- PHARMACEUTICAL, CHEMICAL, LABORATORY, MEDICAL, ELECTRONICS, FOOD & BEVERAGE, PACKAGING AND HIGH QUALITY COMPRESSED AIR REQUIRED INDUSTRIES.
(AIR QUALITY CONFORMING TO ISO 8573.1)

TECHNICAL SPECIFICATIONS

Model	Capacity**		Connection Ø (In-Out)	Power Supply (Ph/V/Fr)	Dimensions			Total Weight (kg)
	(m³/min)	(cfm)			Width (mm)	Depth (mm)	Height (mm)	
DDS 0,3	0,03	1,1	1/4"	1 / 230 / 50	350	150	450	15
DDS 1	0,13	4,5	1/2"	1 / 230 / 50	550	150	550	22
DDS 3	0,26	9,1	1/2"	1 / 230 / 50	430	200	600	25
DDS 4	0,40	14,1	1/2"	1 / 230 / 50	430	200	670	40
DDS 5	0,53	18,7	1/2"	1 / 230 / 50	500	350	1.200	45
DDS 8	0,80	28,2	1/2"	1 / 230 / 50	580	385	1.075	47
DDS 10	1,00	35,3	1/2"	1 / 230 / 50	580	385	1.275	55
DDS 12	1,20	42,3	1/2"	1 / 230 / 50	580	385	1.575	60
DDS 16	1,60	56,5	3/4"	1 / 230 / 50	830	426	1.049	90
DDS 20	2,00	70,6	3/4"	1 / 230 / 50	830	426	1.239	100
DDS 27	2,67	94,2	1"	1 / 230 / 50	830	426	1.454	125
DDS 32	3,20	113,0	1"	1 / 230 / 50	830	426	1.649	150
DDS 40	4,00	141,2	1"	1 / 230 / 50	830	426	1.714	180
DDS 50	5,00	176,5	1"	1 / 230 / 50	830	426	1.814	200
DDS 60	6,00	211,8	1 1/2"	1 / 230 / 50	830	426	2.000	225
DDS 70	7,00	247,2	1 1/2"	1 / 230 / 50	830	426	2.149	300
DDS 80	8,00	282,5	2"	1 / 230 / 50	1.200	700	1.970	400
DDS 95	9,50	335,4	2"	1 / 230 / 50	1.200	700	2.170	460
DDS 105	10,5	370,8	2"	1 / 230 / 50	1.200	700	2.320	525
DDS 120	12,0	423,7	2"	1 / 230 / 50	1.200	700	2.008	650
DDS 160	16,0	565,0	2 1/2"	1 / 230 / 50	1.120	860	2.280	780
DDS 200	20,0	706,2	2 1/2"	1 / 230 / 50	1.300	1.010	2.400	950
DDS 250	25,0	882,8	3"	1 / 230 / 50	1.300	1.010	2.500	1.220
DDS 300	30,0	1.059,4	3"	1 / 230 / 50	1.300	1.190	2.530	1.300
DDS 400	40,0	1.412,5	3"	1 / 230 / 50	1.800	1.410	2.600	1.550
DDS 500	50,0	1.765,7	NW150	1 / 230 / 50	1.800	1.410	2.630	2.150
DDS 750	75,0	2.648,6	NW150	1 / 230 / 50	1.920	1.410	2.700	2.850
DDS 950	95,0	3.354,8	NW150	1 / 230 / 50	2.500	1.800	2.950	3.750
DDS 1200	120,0	4.237,7	NW200	1 / 230 / 50	2.500	1.800	3.200	4.350
DDS 1600	160,0	5.650,3	NW200	1 / 230 / 50	2.750	2.000	3.800	5.350

*-40 °C PRESSURE DEW POINT AS STANDARD. 15% PURGE AIR NEEDED.

* ELECTRONIC CONTROLLER, INLET WATER SEPARATOR & OIL ALARM SENSOR, 1 MICRON PARTICULE & 0,5 MG/M3 OIL FILTER INCLUDED. DISCHARGE 0,01 MICRON PARTICULE & 0,01 MG/M3 OIL FILTER INCLUDED.

HEATED TYPE OR HEATLESS TYPE: -40 °C VE -70 °C VERSIONS AVAILABLE; AS OPTIONAL.

** CAPACITY AT 7 BARG. PLEASE CONSULT FOR CORRECTION FACTORS REGARDING DIFFERENT OPERATING PRESSURES, AMBIENT TEMPERATURES, INLET AIR TEMPERATURES, PRESSURE DEW POINTS.

STANDARDS : MANUFACTURED ACCORDING TO 2006/42/EC, 2014/30/EU, EN ISO 12100:2010, EN60204-1:2018, EN61000-6-2:2005/AC:2005, EN61000-6-4:2007/A1:2011 DIRECTIVES.

QUALITY ASSURANCE CERTIFICATION FOR ISO9001:2015 AND ISO14001:2015 ARE AVAILABLE.

SARMAK FILTRATION –

SMALL AND MEDIUM CAPACITY COMPRESSED AIR FILTERS

BUSY WITH CLEANING THE AIR

PREFERRED CHOICE FOR QUALITY DOWNSTREAM COMPRESSED AIR WITHOUT DUST, OIL OR OIL VAPOR PARTICLES.

CARTRIDGE-TYPE COMPRESSED AIR FILTERS WHICH FILTER OIL, OIL VAPOR AND DUST PARTICLES; DEPENDING ON AIR QUALITY CLASS. THEY CONTAIN MULTI LAYERS AND HAVE WIDE AREA OF FILTRATION, MANUFACTURED IN HIGH STANDARDS. IT IS RECOMMENDED THAT THESE COMPRESSED AIR FILTERS ARE UTILIZED BEFORE AND AFTER COMPRESSED AIR DRYERS. CFS SERIES CONFORM TO 2006/42/EC MACHINERY DIRECTIVE, EN:ISO 12100:2010 AND AIR PURITY (ISO8573:2010).

FILTER TYPES AND SENSITIVITIES

- **0** : 1 MICRON PARTICULE, 0,5 MG/M3 OIL (BEFORE DRYER)
- **1** : 0,01 MICRON PARTICULE, 0,01 MG/M3 OIL (AFTER DRYER)
- **2** : 0,003 MG/M3 OIL VAPOR (AFTER DRYER)



TECHNICAL SPECIFICATIONS

Model	Nominal Capacity**		Connection	Max. Pressure (bar)	Max. Temperature (°C)	Material	Width x Height (mm)	Weight (kg)
	(m³/min)	(cfm)						
CFS 7	0,7	24,7	1/2"	16	60	Aluminum	95 x 194	1,1
CFS 12	1,2	42,3	1/2"	16	60	Aluminum	95 x 274	1,5
CFS 23	2,3	81,2	3/4"	16	60	Aluminum	124 x 253	2,3
CFS 37	3,7	130,6	1"	16	60	Aluminum	124 x 312	2,7
CFS 55	5,5	194,2	1"	16	60	Aluminum	124 x 397	3,1
CFS 65	6,5	229,5	1 1/2"	16	60	Aluminum	124 x 397	3,4
CFS 110	11,0	388,4	2"	16	60	Aluminum	160 x 570	7,8
CFS 130	13,0	459,0	2"	16	60	Aluminum	160 x 570	7,9
CFS 220	22,0	776,9	2 1/2"	16	60	Aluminum	272 x 711	23
CFS 260	26,0	918,1	3"	16	60	Aluminum	272 x 711	23
CFS 350	35,0	1.236,0	3"	16	60	Aluminum	272 x 711	25
CFS 450	45,0	1.589,1	3"	16	60	Aluminum	272 x 911	35

* DETERMINES THE LEVEL OF FILTRATION. (-0, -1 OR -2)

CFS PREMIUM MODELS INCLUDE "AUTOMATIC DRAIN" AND " WITH PRESSURE DIFF.GAUGE".

ALTERNATIVELY; GFS ECONOMIC MODELS ARE ALSO AVAILABLE WITH "MANUAL DRAIN" AND "WITHOUT PRESSURE DIFF.GAUGE".

**CAPACITY IS GIVEN AT 7 BARG OPERATING PRESSURE. PLEASE CONSULT REGARDING CORRECTION FACTORS FOR DIFFERENT OPERATING PRESSURES.

STANDARDS : MANUFACTURED ACCORDING TO 2006/42/EC, EN ISO 12100:2010 DIRECTIVES. QUALITY ASSURANCE CERTIFICATION FOR ISO9001:2015 AND ISO14001:2015 AVAILABLE.

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SARMAK FILTRATION

HIGH CAPACITY COMPRESSED AIR FILTERS

BUSY WITH CLEANING THE AIR

PREFERRED CHOICE FOR QUALITY DOWNSTREAM COMPRESSED AIR WITHOUT DUST, OIL OR OIL VAPOR PARTICLES.

CARTRIDGE-TYPE COMPRESSED AIR FILTERS WHICH FILTER OIL, OIL VAPOR AND DUST PARTICLES; DEPENDING ON AIR QUALITY CLASS. THEY CONTAIN MULTI LAYERS AND HAVE WIDE AREA OF FILTRATION, MANUFACTURED IN HIGH STANDARDS. IT IS RECOMMENDED THAT THESE COMPRESSED AIR FILTERS ARE UTILIZED BEFORE AND AFTER COMPRESSED AIR DRYERS. FILTER BODY IS PRE-TREATED INSIDE AND OUTSIDE WITH ELECTROPHORETIC COATING TO INCREASE CORROSION RESISTANCE. LOWER FLANGE IS PROVIDED WITH A HINGE AND HANDLE MECHANISM TO ALLOW A SINGLE OPERATOR TO OPEN THE VESSEL FOR REPLACEMENT.

FILTER TYPES AND SENSITIVITIES

- **0** : 1 MICRON PARTICULE, 0,5 MG/M3 OIL (BEFORE DRYER)
- **1** : 0,01 MICRON PARTICULE, 0,01 MG/M3 OIL (AFTER DRYER)
- **2** : 0,003 MG/M3 OIL VAPOR (AFTER DRYER)



TECHNICAL SPECIFICATIONS

Model	Nominal Capacity**		Connection	Max. Pressure (bar)	Max. Temperature (°C)	Material	Widht x Height (mm)	Weight (kg)
	(m³/min)	(cfm)						
CFS 500	50,0	1.765,7	DN150	16	60	Aluminum	522 x 1372	100
CFS 600	60,0	2.118,8	DN150	16	60	Aluminum	522 x 1372	105
CFS 800	80,0	2.825,1	DN150	16	60	Aluminum	590 x 1438	135
CFS 1000	100,0	3.531,4	DN150	16	60	Aluminum	590 x 1438	140
CFS 1200	120,0	4.237,7	DN200	16	60	Aluminum	810 x 1630	160
CFS 1400	140,0	4.944,0	DN200	16	60	Aluminum	810 x 1630	165

* DETERMINES THE LEVEL OF FILTRATION. (-0, -1 OR -2)

**CAPACITY IS GIVEN AT 7 BARG OPERATING PRESSURE. PLEASE CONSULT REGARDING CORRECTION FACTORS FOR DIFFERENT OPERATING PRESSURES.

STANDARDS : MANUFACTURED ACCORDING TO 2006/42/EC, EN ISO 12100:2010 DIRECTIVES. QUALITY ASSURANCE CERTIFICATION FOR ISO9001:2015 AND ISO14001:2015 AVAILABLE.

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AUXILIARY EQUIPMENTS _

HEAT RECOVERY MODULE _

CONVERSION OF OIL/AIR HEAT FROM COMPRESSOR UNIT



HEAT ENERGY IS A COMMON ENERGY TYPE WHICH IS DISSIPATED FROM THE COMPRESSOR UNIT TO THE ATMOSPHERE, THUS WASTED.

HOWEVER, IT CAN BE UTILIZED INSTEAD OF WASTING IT. FOR EXAMPLE, IT CAN BE USED FOR PERSONNELS' WASHING NEEDS, HEATING LARGE VOLUMES OF WATER OR HEATING SURFACES. REASONABLE COST REDUCTIONS CAN BE ACHIEVED THROUGH THIS SYSTEM.

WALL TYPE INVERTOR MODULE _

(FOR 11 kW - 250 kW)



FOR ENERGY SAVING FROM THE EXISTING COMPRESSOR SYSTEMS

THE INVERTER MODULE SAVES ENERGY OF THE COMPRESSOR AND EXTENDS THE LIFE OF THE ELECTRIC MOTOR. RELATED MOTOR FAILURES ARE MINIMIZED. THE DIRECT TORQUE CONTROL (DTC) AND THE MOTOR ELECTROMAGNETIC STATE ARE DIRECTLY LINKED; THUS THE INVERTER MODULE

CAN SAVE UP TO 25%. ALSO, DURING MOTOR START-UP, SUDDEN LOADS CAN BE ELIMINATED, THEREFORE MOTOR PROTECTION IS MAXIMIZED.

ELECTRONIC LEVEL CONTROLLED CONDENSATE DRAIN _



GENERAL INFORMATION

- USED FOR SCREW COMPRESSORS
- RECOMMENDED BY SARMAK, FOR USE IN COMPRESSED AIR SYSTEMS.

ADVANTAGES

- OPERATES ACCORDING TO REAL LEVEL OF CONDENSATE
- NO AIR LOSS AT THE COMPRESSED AIR DISCHARGE
- MINIMAL ENERGY CONSUMPTION
- FUNCTIONS NOT AFFECTED BY PARTICULES
- WIDE AREA SECTIONS NOT AFFECTED BY PARTICULE COLLECTIONS
- EASY HANDLING, ALARM MODE AVAILABLE

OIL/ WATER SEPARATOR _



GENERAL INFORMATION

CONDENSATE CONSISTS OF 99% OF WATER AND ONLY 1% OIL. PROCESSING THE CONDENSATE ON SITE REDUCES COSTS BY SELLING DISPOSAL TO SPECIALIST COMPANIES. THIS SYSTEM **PROTECTS THE ENVIRONMENT** BY SEPARATING OIL AND WATER IN THE CONDENSATE.

ADVANTAGES

- CONVENIENT DIMENSIONS
- SIMPLE INSTALLATION: NO ELECTRICITY COSTS
- LOW MAINTENANCE
- SAFE AND EASY CARTRIDGE REPLACEMENT

SARMAK AFTERSALES SERVICE —

SOUL OF A MACHINE

EVERYTHING BEGINS AFTER THE SALES.



GENUINE SPARE PARTS

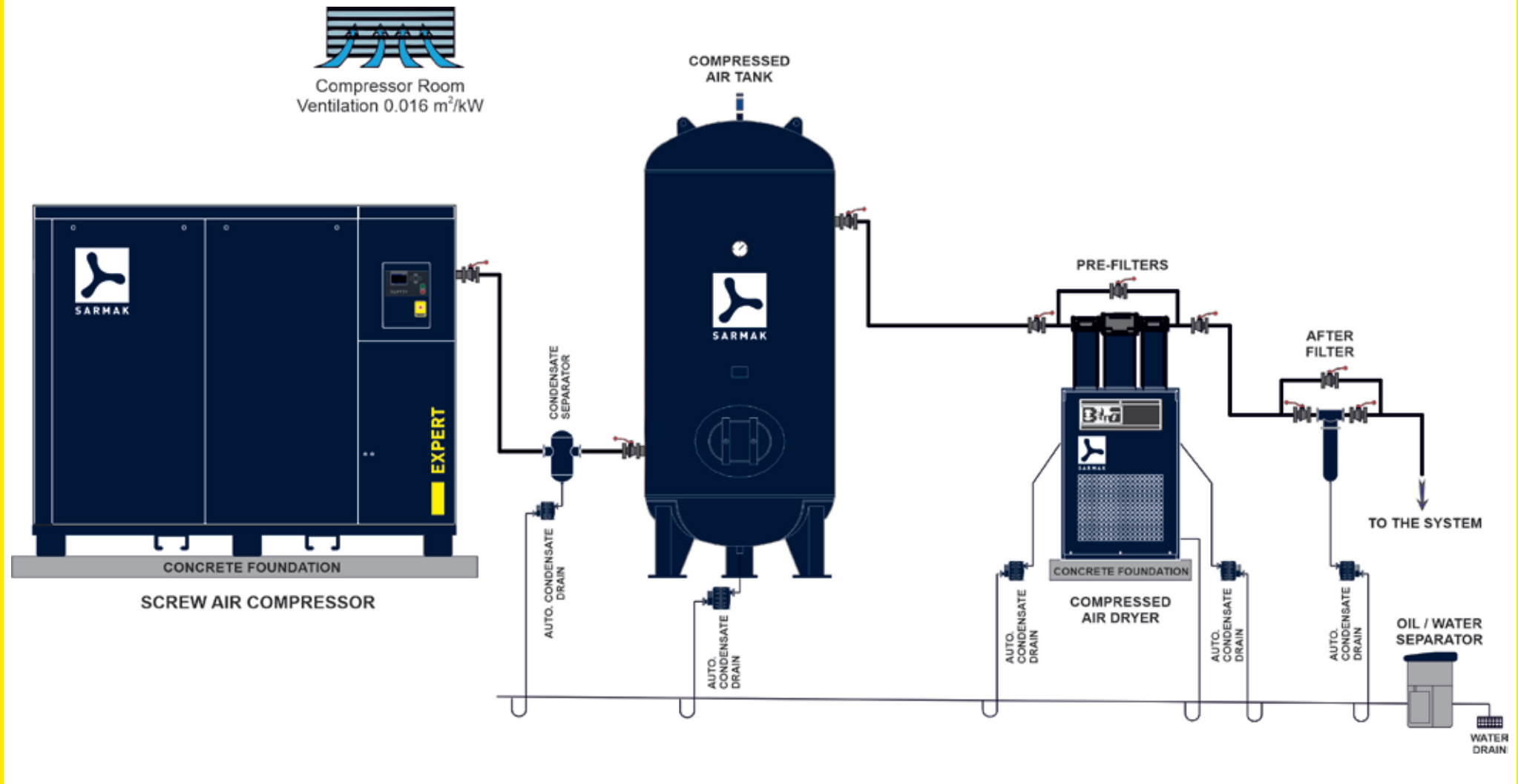
BY UTILIZING GENUINE SPARE PARTS: OUR CUSTOMERS CAN KEEP THEIR AIR COMPRESSORS & EQUIPMENTS FREE OF TROUBLE. ALSO, NOT USING PIRATE SPARE PARTS WILL KEEP THEM AWAY FROM LOW PERFORMANCE AND HIGH HIDDEN COSTS.

GENERAL MAINTENANCE AND SERVICES

SARMAK COMPRESSORS' AND EQUIPMENTS' GENERAL MAINTENANCE & SERVICES ARE ACCOMPLISHED BY OUR OWN SERVICE PERSONNEL TOGETHER WITH OUR SERVICE PARTNERS ABROAD. OUR EXPERIENCED SERVICE TEAM IS PERIODICALLY TRAINED IN THEORY AND PRACTICE TO MEET HIGH STANDARDS.

OUR PROFESSIONAL AFTERSALES SERVICES ARE ONE OF OUR KEY ADVANTAGES WHICH IS ALSO PRICEWISE ACCEPTABLE. TO REACH AND GO BEYOND OUR CUSTOMERS' EXPECTATIONS IN THIS AREA; WE CONTINUOUSLY DEVELOP OUR SERVICE TEAM'S CAPABILITIES FOR THE TOP SARMAK QUALITY.

SAMPLE COMPRESSED AIR SYSTEM DIAGRAM _





SARMAK

COMPRESSORS + ENGINEERING



SARMAK

COMPRESSORS + ENGINEERING

SARMAK MACHINERY COMPRESSOR PUMP INDUSTRY & TRADE CO. —

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