

DATA SHEET BOOSTER COMPRESSOR

CB 60 BAR



MEDIUM PRESSURE BOOSTER COMPRESSOR CB 60 BAR

TECHNICAL DATA FOR BOOSTER BLOCK:

GAS ALLOWED:	DRY AIR, NITROGEN, INERT GAS
NOMINAL PRESSURE MAX:	60 BAR
WORKING PRESSURE:	10 to 60 BAR adjustable by electronic panel
CAPACITY:	Refer Fig. 1b
NUMBER OF COMPRESSION STAGE:	2
NUMBER OF CYLINDERS:	3
INTAKE TEMPERATURE:	-10 to +40 °C
AMBIENT TEMPERATURE:	-15 to + 45 °C

Fig. 1a

PERFORMANCE DATA OUTLET FOR BOOSTER BLOCK :

TYPE \ OUTLET BAR	unit	30	40	50	60
CB64072809 2,3kW	l/min	113	109	105	101
	m3/h	6.8	6.6	6.3	6
CB64082809 2,8kW	l/min	169	162	156	151
	m3/h	10.1	9.7	9.4	9.1
CB64082812 3kW	l/min	229	220	212	206
	m3/h	13.7	13.2	12.7	12.4
CB64082815 3.2kW	l/min	278	267	256	250
	m3/h	16.7	16	15.4	15
CB64093215 5.2kW	l/min	340	329	319	314
	m3/h	20.4	19.7	19.1	18.8
CB65113209 8kW	l/min	410	396	385	375
	m3/h	24.6	23.8	23.1	22.5
CB65113212 9kW	l/min	512	500	490	482
	m3/h	30.7	30	29.4	28.9
CB65113215 10kW	l/min	647	635	627	620
	m3/h	38.8	38.1	37.6	37.2

ATTENTION: FLOW +/- 5%

Fig. 1b

TECHNICAL DATA FOR PRIME MOVER:

VOLTAGE:	230/400 (+/- 10%)
CERTIFICATION:	CE
TYPE:	THREE PHASE ELECTRIC
SPEED:	2940 1/min
ENCLOSURE:	IP54
FREQUENCY:	50Hz (60Hz)
ENERGY EFFICIENCY:	IE 3
OPTIONAL:	SOFT-START

SUCTION:

- Gas connection: G1" F
- Intake pressure monitored by pressure transmitter
- Shut-off solenoid valve

INLET PRESSURE:

- Inlet pressure between 50 MBar to 600 MBar
- Pressure transmitter able start, stop and alarms of max and min pressure of compressor
- If you need to install a pressure reducing valve, be sure it has a capacity equal to or bigger than 50% of booster flow capacity

BOOSTER BLOCK:

- Oil pump for force feed lubrication with oil filter
- Oil capacity: 3,5 lt.
- Air cooled after each stage
- Final pressure safety valve
- Fill of oil
- Final pressure gauge
- Automatic level oil alarm
- No return valve outlet

COMPRESSOR UNIT:

- Compressor with vertical rear cooling air intake and hot air outlet from the back
- Not for exposure to the sun and weather
- Frame mounted on anti-vibration system
- Frame soundproofed with sound-absorbent (model C - M)
- Control panel with integrated electronic
- Color Gray RAL 7016
- Outlet with no return valve
- Outlet connection G1" F

ELECTRONIC CONTROL PANEL:

- Easy to use and programming
- Illuminated display with hour meter, differential pressure and maximum pressure set
- Equipped with safety alarms
- AUTOMATIC mode or MANUAL, for the automated storage of gas or for a single use
- Possibility of controlling stage temperatures
- Motor protection fuses
- Ability to integrate soft-start
- START and STOP button (with green led for run)
- Alarm service when needed

- Possible setting ° C / ° F
- Possibile setting Bar, MPa, Psi
- Pressure control input and output
- Checking the oil level automatic
- Easy setting of maximum and minimum pressure of work
- Possibility of remote control
- Free voltage contact for signal the RUN status
- Free voltage contact for signal the General Alarm

