



Sullivan
Palatek

M-SERIES

5-10 HP \ INDUSTRIAL ELECTRIC COMPRESSORS



M5 \ M7.5 \ M10

Dependable by design.™

SPECIFICATIONS

COMPRESSOR DATA		M5	HM5	HHM5	M7.5	HM7.5	HHM7.5	M10	HM10	HHM10
Capacity	acfm	22	18	15.5	29	25	22	38	35	32
Pressure @ Full Load	psig (bar)	125 (8.6)	150 (10.3)	175 (12.1)	125 (8.6)	150 (10.3)	175 (12.1)	125 (8.6)	150 (10.3)	175 (12.1)
Minimum Pressure	psig (bar)	60 (4.1)	60 (4.1)	60 (4.1)	60 (4.1)	60 (4.1)	60 (4.1)	60 (4.2)	60 (4.2)	60 (4.2)
Motor Output (60 Hz)	hp (kW)	5 (3.7)	5 (3.7)	5 (3.7)	7.5 (5.6)	7.5 (5.6)	7.5 (5.6)	10 (7.5)	10 (7.5)	10 (7.5)
Motor Speed	rpm	1755	1755	1755	3530	3530	3530	3515	3515	3515
Motor Output @ Full Load	hp (kW)	4.6 (3.4)	5.0 (3.7)	5.2 (3.9)	10.5 (7.8)	8.2 (6.1)	7.7 (5.7)	10.9 (8.1)	9.7 (7.2)	11.2 (8.4)
Motor Output @ 100 psig	hp (kW)	4.3 (3.2)	3.9 (2.9)	3.3 (2.5)	7.2 (5.4)	5.6 (4.2)	5.3 (3.9)	9.8 (7.3)	8.2 (6.2)	8.2 (6.2)
Driven Pulley		2.65	2.8	3.00	3.35	3.65	4.12	4.75	5.30	5.60
Drive Ratio		2.26	2.14	2.00	1.79	1.64	1.46	1.26	1.13	1.07
Rotor Diameter	mm	60	60	60	60	60	60	75	75	75
COOLING DATA										
Fan Airflow	cfm	1100	1100	1100	1100	1100	1100	1100	1100	1100
After Cooler Approach	°F (°C)	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)
Fluid Capacity	gallons (L)	1 (3.8)	1 (3.8)	1 (3.8)	1 (3.8)	1 (3.8)	1 (3.8)	1.50 (5.7)	1.50 (5.7)	1.50 (5.7)
DISCHARGE PIPING										
Air-Cooled (Base-Mounted)	NPT	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Tank-Mounted (Tank End)	NPT	2	2	2	2	2	2	2	2	2
ELECTRICAL DATA										
Motor FLA @ 575V (3-Phase)	amps	5.5	5.5	5.5	6.8	6.8	6.8	9.6	9.6	9.6
Motor FLA @ 460V (3-Phase)	amps	6.6	6.6	6.6	8.6	8.6	8.6	11.6	11.6	11.6
Motor FLA @ 230V (3-Phase)	amps	13.2	13.2	13.2	17.2	17.2	17.2	23.2	23.2	23.2
Motor FLA @ 230V (1-Phase)	amps	20.5	20.5	20.5	33	33	33	46	46	46
Motor FLA @ 208V (3-Phase)	amps	14.7	14.7	14.7	19	19	19	24.5	24.5	24.5
Motor FLA @ 208V (1-Phase)	amps	22.7	22.7	22.7	36.5	36.5	36.5	50.9	50.9	50.9
Motor FLA @ 200V (3-Phase)	amps	15.3	15.3	15.3	19.8	19.8	19.8	25.5	25.5	25.5
Starter Enclosure Rating	NEMA	1	1	1	1	1	1	1	1	1
Control Voltage	volts	115	115	115	115	115	115	115	115	115
Motor Enclosure	NEMA	ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP
Motor Insulation Class	NEMA	F	F	F	F	F	F	F	F	F
Motor Service Factor	NEMA	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Motor Maximum Starts/Hour		15	15	15	12	12	12	12	12	12

FEATURES

- » Modular oil flooded rotary screw continuous duty industrial air compressor
- » 208/230/460/575 volt 3-phase open drip motor
- » Full voltage magnetic starter with 115 volt control power
- » Automatic dual control
- » Line pressure gauge, oil temperature gauge, and hour meter
- » Air cooled oil cooler/aftercooler with Palasyn 45, 4000 hour synthetic oil
- » Spin on type oil filter and separator elements for ease of maintenance
- » Air Filter: combination pleated and foam dry type, easily replaceable

MODEL	LENGTH	HEIGHT	WIDTH
Base Mount	38.63"	26.34"	24.14"
Base Mount Enclosed	38.88"	27.43"	24.46"
Platform Mount with Separator Trap	38.63"	56.34"	24.14"
Platform Mount Enclosed w/Sep-Trap	38.88"	57.43"	24.46"
Tank Mount - 80G with Auto Drain	65.2"	48.9"	25.20"
Tank Mount Enclosed - 80G w/drain	64"	50.93"	25.20"
Tank Mount - 120G with Auto Drain	69.88"	51.87"	23.74"
Tank Mount Enclosed - 120 G w/drain	68"	53.93"	24.46"

* Consult factory for shipping weights

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