

# Sullivan Palatek®

## M-Series Compressors



CDFE

CDD

### INDUSTRIAL AIR COMPRESSOR - 5, 7.5, 10 HP M-SERIES

- » 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 110 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



#### High Efficiency Coalescing Air Filter

High Quality Compressed Air Filtration  
 Particle Removal Down to 0.01 Micron  
 Max. Oil Carryover 0.008 PPM w/w  
 Nominal Pressure Drop 1.2 PSID  
 ISO 8573 (Class 1)  
 99.9999% Efficiency

#### CDF/CDFE

Complete compressor package with mounted refrigerated air dryer, high efficiency coalescing air filter, and receiver tank. A modulating thermostatic expansion valve gives a more effective refrigeration control over a wide span of operating conditions. It prevents compressor failure due to liquid return commonly found in

capillary tube designs.



#### CDD/CDDE

Complete compressor package with mounted desiccant air dryer, high efficiency coalescing air filter, and receiver tank. EXTENDED LIFE mounted desiccant dryer to eliminate moisture and contaminants. -40°F Dew Point



# TECHNICAL DATA

MODEL 60 Hz	5M	H5M	HH5M	7.5M	H7.5M	HH7.5M	10M	H10M	HH10M
<b>COMPRESSOR DATA</b>									
Capacity, ACFM	22	18	15.5	32	28	24	38	35	32
Maximum F.L., psig	125	150	175	125	150	175	125	150	175
Minimum F.L., psig	72	72	72	72	72	72	72	72	72
Motor horsepower	5	5	5	7.5	7.5	7.5	10	10	10
Motor speed	1800	1800	1800	3450	3450	3450	3450	3450	3450
Driven pulley	2.65	2.8	2.8	2.8	3.35	3.65	2.65	2.65	3
Drive ratio	2.64	2.5	2.14	2.14	1.79	1.64	2.26	2.26	2
Rotor diameter, MM	60	60	60	60	60	60	75	75	75
<b>SOUND DATA (dba @ 1m)</b>									
Air Cooled open	75	75	75	77	77	77	78	78	78
Air Cooled enclosed	70	70	70	72	72	72	75	75	75
<b>COOLING DATA, AIR COOLED</b>									
Fan Air Flow, CFM	665	665	665	665	665	665	665	665	665
After Cooler Approach, degree F	20	20	20	20	20	20	20	20	20
Oil Sump, fluid capacity (Gal)	1	1	1	1	1	1	1	1	1
Discharge Piping Size (FNPT)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
<b>ELECTRICAL DATA (3 PHASE)</b>									
Motor, FLA @ 575V	5.4	5.4	5.4	7	7	7	9.3	9.3	9.3
Motor, FLA @ 460V	6.6	6.6	6.6	8.5	8.5	8.5	11.6	11.6	11.6
Motor, FLA @ 230V	13.2	13.2	13.2	17	17	17	23.2	23.2	23.2
Motor, FLA @ 208V	14.5	14.5	14.5	19	19	19	25.6	25.6	25.6
Motor, FLA @ 200V	15.5	15.5	15.5	22	22	22	27	27	27
Motor Insulation Class	F	F	F	F	F	F	F	F	F
Motor Service Factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Max. Motor Starts/Hr.	15	15	15	15	15	15	15	15	15
<b>AMPERAGE FOR FUSE SIZING</b>									
575 Volt, Amps	7	7	7	11	11	11	12	12	12
460 Volt, Amps	9	9	9	14	14	14	15	15	15
230 Volt, Amps	18	18	18	25	25	25	30	30	30
208/200 Volt, Amps	20	20	20	25	25	25	35	35	35
Control Voltage	120	120	120	120	120	120	120	120	120
Fuse 1 ea	1 Amp	1 Amp	1 Amp	1 Amp	1 Amp	1 Amp	1 Amp	1 Amp	1 Amp
Fuse 2 ea	.5 Amp	.5 Amp	.5 Amp	.5 Amp	.5 Amp	.5 Amp	.5 Amp	.5 Amp	.5 Amp

Consult factory for shipping weights.

**SELECT THE COMBINATION  
THAT'S RIGHT FOR YOUR JOB**



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"

Sullivan  
Palatek

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