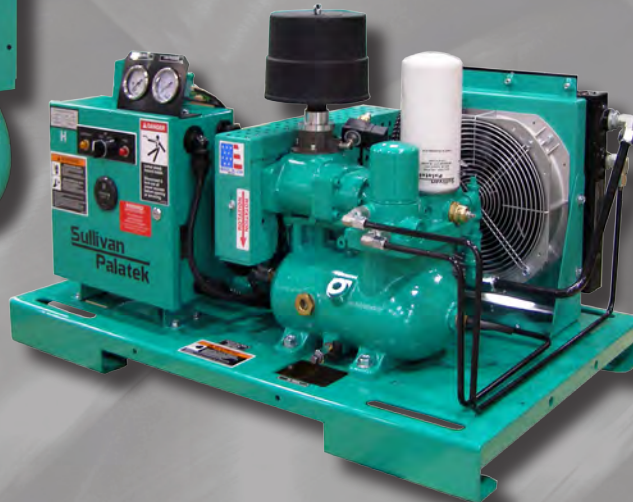


# Sullivan Palatek®

## M-Series Compressors



CDFE



CDD

(Shown with optional receiver tank)

### 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 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



#### 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.



#### 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

#### CDD/CDDE

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



# TECHNICAL DATA

| COMPRESSOR DATA            |             | M5        | HM5        | HMM5       | M7.5       | HM7.5      | HMM7.5     | M10        | HM10       | HMM10      |
|----------------------------|-------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Capacity                   | acfm        | 22        | 18         | 15.5       | 29         | 25         | 22         | 44         | 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) |
| SOUND DATA                 |             |           |            |            |            |            |            |            |            |            |
| Air-Cooled (Open)          | dba @ 1m    | 72        | 72         | 72         | 82         | 82         | 82         | 82         | 82         | 82         |
| Air-Cooled (Enclosed)      | dba @ 1m    | 68        | 68         | 68         | 75         | 75         | 75         | 74         | 74         | 74         |
| 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         |

Consult factory for shipping weights.

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



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Email: info@palatek.com

| 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" |

Distributed By:

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M-Series RP 7/12 1M