

Sullivan Palatek®

Model 15 - 30 CDD Compressors



INDUSTRIAL AIR COMPRESSOR - Model 15-30 HP Compressor & Desiccant Dryer Package

ELECTRIC MOTOR:

- » Nema T-Frame, C-Face, double shaft, open drip proof squirrel cage induction type.
- » Direct coupling to motor for positive alignment.

MOTOR STARTER:

- » Full voltage magnetic starter with 120 volt controls, Nema 1 enclosure, circuit breaker, transformer and three phase over load protector.

AIR INTAKE FILTER:

- » Multi-stage dry type with replaceable element.

CONTROLS:

- » Full modulation, electronically controlled for smooth operation and lowest possible no load power. Auto dual control, timed stop or constant run.

INSTRUMENTATION:

- » Line pressure gauge, fluid reservoir gauge, hour meter, discharge temperature gauge, oil filter and separator element differential gauges.
- » Microprocessor control available.

PROTECTIVE DEVICES:

- » Class 20 overload relay, high temperature and overpressure shut down.

COOLING SYSTEM:

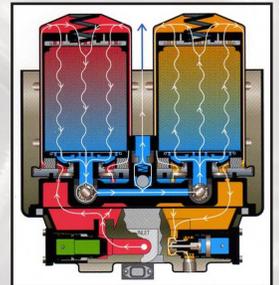
- » Air cooled with air cooler/aftercooler and factory filled with Palasyn 45 synthetic lubricoolant. Equipped with micro fiber full flow oil filter.

AIR DRYER:

- » Desiccant air dryer and coalescing air filter for moisture removal, spin on replaceable cartridges and built for -40°F dew point.

MOUNTING:

- » Base mounted, no special foundation required. Optional tank, platform and acoustical enclosure available. Consult factory for dimensions and weights of optional equipment.



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



COMPRESSOR TECHNICAL DATA

MODEL 60Hz	15D	20D	25D4	25D	30D7	30DG
COMPRESSOR DATA						
Capacity, ACFM	55	80	95	110	115	125
Maximum full load/unload, psig	120/130	120/130	120/130	120/130	120/130	120/130
Minimum full load, psig	60	60	60	60	60	70
Motor horsepower	15	20	25	25	30	30
Motor speed, RPM	1,750	1,750	1,750	3,550	3,550	1,750
BHP @ full load	14	21.5	25	27	30	34
BHP @ 100 psig	13	19.1	22.2	24	28	32
Driven rotor coupling	Direct	Direct	Direct	Direct	Direct	Direct
Drive ratio	Direct	Direct	Direct	Direct	Direct	Direct
Rotor diameter & L/D	108mm x 1.65	108mm x 1.65	108mm x 2.1	108mm x 1.65	108mm x 1.65	108mm x 2.3
COOLING DATA, AIR COOLED						
Fan air flow, CFM	1,000	2,200	2,250	2,600	2,600	4,600
Max. duct loss, "H ₂ O	0.3	0.3	0.25	0.25	0.25	0.2
Aftercooler approach degree F	12	12	15	15	15	10
Heat rejection, BTU/hr.	34,700	51,600	59,200	68,500	71,600	81,408
Fluid capacity	3 gal.	3 gal.	3 gal.	3 gal.	3 gal.	6 gal.
COOLING DATA, WATER COOLED						
GPM w/60 deg. F. water	1.5	2.3	3	3	3	4
GPM w/70 deg. F. water	1.9	2.9	3.7	3.7	3.7	4.4
GPM w/80 deg. F. water	2.5	3.8	5	5	5	6
Max. water temp., deg. F.	85	85	85	85	85	85
Water connection in-out	3/4"-3/4"	3/4"-3/4"	3/4"-3/4"	3/4"-3/4"	3/4"-3/4"	3/4"-3/4"
SOUND DATA (dba @ 1m)						
Air cooled, open	78	80	81	88	88	82
Air cooled, enclosed	72	72	74	80	78	78
Water cooled, open	75	82	77	87	87	80
Water cooled, enclosed	76	77	73	80	82	70
DISCHARGE PIPING, (FNPT)						
Air cooled, base mounted	1"	1"	1"	1"	1"	1"
Water cooled, base mtd.	1"	1"	1-1/2"	1-1/2"	1-1/2"	1-1/2"
Tank mtd. (@ tank end)	2"	2"	2"	2"	2"	2"
ELECTRICAL DATA						
Motor, FLA @ 575V	15.4	20.8	27.2	23.2	28.0	31.2
Motor, FLA @ 460V	19.2	26.0	34.0	29.0	35.0	39
Motor, FLA @ 230V	38.4	52.0	68.0	58.0	70.0	78
Motor, FLA @ 208V	42.7	57.5	75.2	64.1	77.4	86.3
Motor, FLA @ 200V	44.2	59.8	74.0	66.7	89.0	89.7
Circuit Breaker Control	115 V	115 V	115 V	115 V	115 V	115 V



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CDD RP 2/11 1.5m