



Specifications

DOOSAN

Model	P185-HP150WDO-T4F	P185WDOU-T4F	XP185-VHP165WDO-T4F	C185WDO-T4F
COMPRESSOR ROTARY SCREW/SINGLE-STAGE				
Free-Air Delivery – cfm (m ³ /min)	185 (5.2)	185 (5.2)	185 (5.2)	185 (5.2)
Rated Operating Pressure – psig (bar)	100 (6.9)	100 (6.9)	125 (8.6)	100 (6.9)
Pressure Range – psig (bar)	80 – 150 (5.5 – 10.3)	80 – 125 (5.5 – 8.6)	80 – 200 (5.5 – 13.7)	80 – 100 (5.5 – 6.9)
Doosan FlexAir Flow Range*	184 – 150 (5.2 – 4.2)	N/A	184 – 165 (5.2 – 4.7)	N/A
Air Discharge Outlet NPT Size – in (mm)	0.75 (19)	0.75 (19)	0.75 (19)	0.75 (19)
Air Discharge Outlet Quantity	2	2	2	2
Fuel Tank Capacity – gal (L)	34.5 (130.6)	27 (102)	34.5 (130.6)	34.5 (130.6)
ENGINE				
Make/Model	Doosan D24	Doosan D24	Doosan D24	Doosan D18
Emissions Tier Level	Tier 4 Final (T4F)	Tier 4 Final (T4F)	Tier 4 Final (T4F)	Tier 4 Final (T4F)
Number of Cylinders	4	4	4	3
Displacement – cu in (L)	147 (2.4)	147 (2.4)	147 (2.4)	110 (1.8)
Rated Speed – rpm	2600	2600	2550	2600
Idle Speed – rpm	1400	1700	1400	1700
Bhp @ Rated Speed (kW)	49 (36.6)	49 (36.4)	74 (55.2)	49 (36.6)
Electrical – volts	12	12	12	12
Hours of Operation @ Full Load	12.2	12.2	11	12.6
DIMENSIONS WITH RUNNING GEAR				
Length – in (mm)	137.4 (3490)	N/A	142.9 (3629)	137.4 (3490)
Width – in (mm)	68.5 (1740)	N/A	68.5 (1740)	68.5 (1740)
Height – in (mm)	67.5 (1715)	N/A	67.5 (1715)	67.5 (1715)
Track Width – in (mm)	60 (1524)	N/A	60 (1524)	60 (1524)
Tire Size – in	15	N/A	15	13
Shipping Weight – w/o fuel – lb (kg)	2269 (1029)	N/A	2353 (1067)	2120 (962)
Working Weight – w fuel – lb (kg)	2477 (1124)	N/A	2594 (1176)	2359 (1070)
DIMENSIONS WITHOUT RUNNING GEAR				
Length – in (mm)	88.5 (2248)	84 (2133)	94.6 (2403)	86.7 (2202)
Width – in (mm)	49.3 (1252)	33.3 (846)	49.3 (1252)	52.3 (1328)
Height – in (mm)	56.3 (1431)	52.5 (1334.59)	56.3 (1431)	57.8 (1468)
Shipping Weight – w/o fuel – lb (kg)	2059 (934)	2034 (922)	2143 (972)	1905 (864)
Working Weight – w fuel – lb (kg)	2267 (1028)	2300 (1043.3)	2384 (1081)	2144 (973)

*See Doosan FlexAir Variable Flow & Pressure chart for flow at given pressures (page 3)

Specifications

Model	P250-MHP185WDO-T4F	P425/HP375WCU-T4F		HP450/VHP400WCU-T4F		XP825/HP750WCU-T4F	
COMPRESSOR ROTARY SCREW/SINGLE-STAGE		LOW PRESSURE		HIGH PRESSURE		LOW PRESSURE	
Free-Air Delivery – cfm (m ³ /min)	250 (7.0)	425 (12.0)	375 (10.6)	450 (12.7)	400 (11.3)	825 (23.4)	750 (21.2)
Rated Operating Pressure – psig (bar)	100 (6.9)	100 (6.9)	150 (10.3)	150 (10.3)	200 (13.8)	125 (8.6)	150 (10.3)
Pressure Range – psig (bar)	80 – 175 (5.5 – 12.0)	80 - 175 (5.5 - 12.1)		80 - 225 (5.5 - 15.5)		80-175 (5.5-12.1)	
Doosan FlexAir Flow Range*	249 – 185 (7.0 – 5.2)	N/A		N/A		N/A	
Air Discharge Outlet NPT Size – in (mm)	0.75 (19)	1.25 (31.8)		1.25 (31.8)		2-inch NPT (50.8)	
Air Discharge Outlet Quantity	2	1		1		1	
Fuel Tank Capacity – gal (L)	34.5 (130.6)	60 (227)		60 (227)		100 (379)	
ENGINE							
Make/Model	Doosan D24	Cummins/F3.8L		Cummins/F3.8L		Cummins/QSB6.7	
Emissions Tier Level	Tier 4 Final (T4F)	Tier 4 Final (T4F)		Tier 4 Final (T4F)		Tier 4 Final (T4F)	
Number of Cylinders	4	4		4		6	
Displacement – cu in (L)	147 (2.4)	231 (3.8)		231 (3.8)		408 (6.7)	
Rated Speed – rpm	2550	2300	2075	2500	2250	2100	1935
Idle Speed – rpm	1400	1500		1500		1300	
Bhp @ Rated Speed (kW)	74 (55.2)	135 (100.6)	134 (99)	173 (129)	172 (128)	266 (198)	262 (195)
Electrical - volts	12	24		24		24	
Hours of Operation @ Full Load	8.7	10	9	8	8	9.1	9.3
DIMENSIONS WITH RUNNING GEAR							
Length – in (mm)	142.9 (3629)	152.5 (3874)		152.5 (3874)		203 (5164)	
Width – in (mm)	68.5 (1740)	78.2 (1986)		78.2 (1986)		90.2 (2291)	
Height – in (mm)	67.7 (1715)	69.9 (1775)		69.9 (1775)		88.5 (2248)	
Track Width – in (mm)	60 (1524)	66.6 (1692)		66.6 (1692)		80.3 (2040)	
Tire Size – in	15	15		15		15	
Shipping Weight – w/o fuel – lb (kg)	2353 (1067)	4334 (1966)		4334 (1966)		8620 (3910)	
Working Weight – w fuel – lb (kg)	2594 (1176)	4776 (2166)		4776 (2166)		9330 (4230)	
DIMENSIONS WITHOUT RUNNING GEAR							
Length – in (mm)	94.6 (2403)	104.2 (2647)		104.2 (2647)		152.4 (3871)	
Width – in (mm)	49.3 (1252)	60.7 (1542)		60.7 (1542)		80.6 (2047)	
Height – in (mm)	56.3 (1431)	61 (1549)		61 (1549)		79 (2007)	
Shipping Weight – w/o fuel – lb (kg)	2143 (972)	4071 (1846)		4071 (1846)		7840 (3560)	
Working Weight – w fuel – lb (kg)	2384 (1081)	4513 (2047)		4513 (2047)		8550 (3880)	

*See Doosan FlexAir Variable Flow & Pressure chart for flow at given pressures (page 3)

Model	HP915WCU-T4F	HP1600WCU-T4F
COMPRESSOR ROTARY SCREW/SINGLE-STAGE		
Free-Air Delivery – cfm (m ³ /min)	915 (25.9)	1600 (45.3)
Rated Operating Pressure – psig (bar)	150 (10.3)	150 (10.3)
Pressure Range – psig (bar)	80 - 175 (5.5 - 12.1)	80 - 175 (5.5 - 12.1)
Air Discharge Outlet NPT Size – in (mm)	2 (50.8)	3 (76.2)
Air Discharge Outlet Quantity	1	1 (2 with IQ)
Fuel Tank Capacity – gal (L)	128 (485)	231 (876)
ENGINE		
Make/Model	Cummins/B6.7	Cummins/QSX15
Emissions Tier Level	Tier 4 Final (T4F)	Tier 4 Final (T4F)
Number of Cylinders	6	6
Displacement – cu in (L)	408 (6.7)	912 (14.9)
Rated Speed – rpm	1800	1800
Idle Speed – rpm	1200	1200
Bhp @ Rated Speed (kW)	298 (222)	580 (433)
Electrical - volts	24	24
Hours of Operation @ Full Load	9.2	8.13
DIMENSIONS WITH RUNNING GEAR		
Length – in (mm)	226.6 (5748)	292.4 (7427)
Width – in (mm)	82.6 (2098)	90.1 (2289)
Height – in (mm)	101.3 (2573)	99.5 (2527)
Track Width – in (mm)	69.3 (1760)	71 (1803)
Tire Size – in	16	17.5
Shipping Weight – w/o fuel – lb (kg)	9789 (4440)	17874 (8108)
Working Weight – w fuel – lb (kg)	10692 (4849)	19565 (8875)
DIMENSIONS WITHOUT RUNNING GEAR		
Length – in (mm)	171 (4343)	228.2 (5796)
Width – in (mm)	83 (2108)	90.1 (2289)
Height – in (mm)	95 (2413)	98.2 (2494)
Shipping Weight – w/o fuel – lb (kg)	8642 (3920)	16899 (7665)
Working Weight – w fuel – lb (kg)	9855 (4470)	18590 (8432)

Model	XHP750WCU-T4F	XHP1170WCU-T4F
COMPRESSOR		
Free-Air Delivery – cfm (m ³ /min)	750 (21.2)	1170 (33.1)
Rated Operating Pressure – psig (bar)	350 (24.1)	365 (25.1)
Pressure Range – psig (bar)	140-365 (9.7-24.1)	140-365 (9.7-25.2)
Air Discharge Outlet NPT Size – in (mm)	2 (50.8)	3 (76.2)
Air Discharge Outlet Quantity	1	1 (2 with IQ)
Compressor Oil Capacity – gal (L)	26.7 (101)	55 (208)
ENGINE		
Engine Make/Model	Cummins/L9	Cummins/QSX15
Emissions Tier Level	Tier 4 Final (T4F)	Tier 4 Final (T4F)
# of Cylinders	6	6
Displacement – cu in (L)	543 (8.9)	912 (14.9)
Rated Speed – rpm	1800	1800
Idle Speed – rpm	1350	1200
Bhp @ Rated Speed (kW)	325 (242)	580 (433)
Electrical – volts	24	24
Engine Oil Capacity – qt (L)	23.2 (22)	48 (45)
Radiator Coolant Capacity – gal (L)	15.3 (58)	26 (98)
Altitude Capability – ft (m)	9000 (2743)	9800 (2987)
Fuel Consumption @ 100% load – gph (L/h)	15.6 (59.2)	23.5 (89)
Fuel Tank Capacity – gal (L)	128.1 (485)	222.4 (841.9)
DEF Tank Capacity - gal (L)	15 (57)	15.6 (59)
DIMENSIONS WITH RUNNING GEAR		
Overall Length – in (mm)	226.3 (5748)	292.4 (7427)
Overall Width – in (mm)	82.6 (2099)	90.1 (2289)
Overall Height – in (mm) excluding exh pipe	101.3 (2573)	99.5 (2527)
Track Width – in (mm)	69.3 (1760)	71 (1803)
Tire Size – in	16	17.5
Shipping Weight w/o fuel – lb (kg)	11023 (5000)	17355 (7871)
Working Weight w/ fuel – lb (kg)	12015 (5450)	18835 (8542)
DIMENSIONS WITHOUT RUNNING GEAR		
Overall Length – in (mm)	171 (4343)	228.2 (5796)
Overall Width – in (mm)	83 (2109)	90.1 (2289)
Overall Height – in (mm) w/ shockmounts	95 (2413)	98.2 (2494)
Shipping Weight w/o fuel – lb (kg)	9855 (4470)	16169 (7333)
Working Weight w/ fuel – lb (kg)	11177 (5070)	17860 (8100)