

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20074

Rev: 00

CE ST0400 Series, 3.7 KW (5 HP) - 50 Hz

MODEL	ST0408	ST0410
Compressor Performance*		
Full Load Pressure - bar (psig)	8 (116)	10 (145)
Capacity at Full Load Pressure - m ³ /min (acfm)	0.58 (20.4)	0.5 (17.6)
Power at Full Load Pressure – Shaft kW (BHP)	4.21 (5.64)	4.34 (5.82)
Package kW (BHP) Air-cooled	4.98 (6.68)	5.14 (6.88)
Pulley size mm/mm (motor/air end)	150 / 95	132 / 95
Electrical Data (Typical)		
	380-415V	
Motor KW(HP)	4(5.5)	
Motor Efficiency Standard/ High (%)	88.1%	
Nominal rpm	2930	
Frame Size	Y2-112MA-2	
Motor Enclosure	IP55	
Service Factor	1.25	
Nameplate Amps---FLA/SFA (A)	7.3/9.28	
Locked Rotor Amps - Max.	61	
Starter Type	Full Voltage	
Starter Enclosure	IP54	
Cooling Data		
Nominal Fluid Flow – L/min (gpm)	14.2(3.75)	
Heat Rejection – Fluid Clr. kW (BTU/min)	3.59 (204)	3.69 (210)
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	4 (1.05)	
Volume – Liter (U.S. Gal.)	7.7 (2)	
Design Pressure – Bar(psig)	14.8 (215)	
Dimensions & Weights		
Length - mm (inches)	826 (32.5)	
Width - mm (inches)	546 (21.5)	
Height - mm (inches)	940 (37)	
Weight - kg (lbs.)	228 (503)	
Discharge Connection	Rp3/4 or NPT3/4	
dBa Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	64	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	14(494)	
Air-cooled Fan Motor - kW (HP)	0.06 (0.08)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta10=2,Beta26=75 Per NFPAT2.6.1	

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.



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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20075
Rev: 00

CE ST0500 Series, 5.5 KW (7.5 HP) - 50 Hz

MODEL	ST0508	ST0510
Compressor Performance*		
Full Load Pressure - bar (psig)	8 (116)	10 (145)
Capacity at Full Load Pressure - m ³ /min (acfm)	0.83 (29.4)	0.75 (26.5)
Power at Full Load Pressure – Shaft kW (BHP)	6.22 (8.34)	6.26 (8.39)
Package kW(BHP) Air-cooled	7.19 (9.64)	7.24 (9.70)
Pulley size mm/mm (motor/air end)	190 / 85	170 / 80
Electrical Data (Typical)		
	380-415V	
Motor kW (HP)	5.5 (7.5)	
Motor Efficiency Standard/High (%)	89.2%	
Nominal rpm	2930	
Frame Size	Y2-132M-2	
Motor Enclosure	IP55	
Service Factor	1.25	
Nameplate Amps---FLA/SFA	10.46/12.84	
Locked Rotor Amps - Max.	88	
Starter Type	Full Voltage	
Starter Enclosure	IP54	
Cooling Data		
Nominal Fluid Flow – L/min (gpm)	14.2 (3.75)	
Heat Rejection – Fluid Clr. kW (BTU/min)	5.29 (301)	5.32 (303)
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	4 (1.05)	
Volume – Liter(U.S. Gal.)	7.7 (2)	
Design Pressure – Bar(psig)	14.8 (215)	
Dimensions & Weights		
Length - mm (inches)	826 (32.5)	
Width - mm (inches)	546 (21.5)	
Height - mm (inches)	938 (36.9)	
Weight - kg (lbs.)	238 (525)	
Discharge Connection	Rp3/4	
dBA Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	66	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	14 (494)	
Air-cooled Fan Motor - kW (HP)	0.06 (0.08)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta10=2,Beta26=75 Per NFPAT2.6.1	

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20076
Rev: 00

CE ST0700 Series, 7.5 KW (10 HP) - 50 Hz

MODEL	ST0708	ST0710
Compressor Performance*		
Full Load Pressure - bar (psig)	8 (116)	10 (145)
Capacity at Full Load Pressure - m ³ /min (acfm)	1.07(37.8)	1.01 (35.7)
Power at Full Load Pressure – Shaft kW (BHP)	8.32 (11.15)	8.32 (11.15)
Package kW(BHP) Air-cooled	9.46 (12.68)	9.46 (12.68)
Pulley size mm/mm (motor/air end)	224 / 80	212 / 80
Electrical Data (Typical)		
	380-415V	
Motor KW(HP)	7.5 (10)	
Motor Efficiency Standard/High (%)	90.1%	
Nominal rpm	2930	
Frame Size	Y2-132M-2	
Motor Enclosure	IP55	
Service Factor	1.25	
Nameplate Amps---FLA/SFA	13.45/17.28	
Locked Rotor Amps - Max.	121	
Starter Type	Full Voltage	
Starter Enclosure	IP54	
Cooling Data		
Nominal Fluid Flow – L/min (gpm)	18.9 (5)	
Heat Rejection – Fluid Clr. kW (BTU/min)	7.07 (402)	
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	4 (1.05)	
Volume – Liter (U.S. Gal.)	7.7 (2)	
Design Pressure – Bar(psig)	14.8 (215)	
Dimensions & Weights		
Length - mm (inches)	826 (32.5)	
Width - mm (inches)	546 (21.5)	
Height - mm (inches)	938 (36.9)	
Weight - kg (lbs.)	248 (547)	
Discharge Connection	Rp3/4	
dBa Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	66	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	14 (494)	
Air-cooled Fan Motor - kW (HP)	0.06 (0.08)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta10=2,Beta26=75 Per NFPAT2.6.1	

*Capacity per GB3853 (Annex C to ISO 1217)

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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20077

Rev: 01

CE ST1100 Series, 11 KW (15 HP) - 50 Hz

MODEL	ST1108	ST1110
Compressor Performance*		
Full Load Pressure - bar (psig)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	1.8 (63.6)	1.55(55)
Power at Full Load Pressure – Shaft kW (BHP)	13.3(17.8)	13.2(17.7)
Package kW(BHP) Air-cooled	15.2(20.3)	15.0(20.2)
Pulley size mm/mm (motor/air end)	180/100	160/100
Electrical Data (Typical)		
380-415V		
Motor KW(HP)	11(15)	
Motor Efficiency Standard/High (%)	91.2%	
Nominal rpm	2930	
Frame Size	Y2-160-2	
Motor Enclosure	IP55	
Service Factor	1.25	
Nameplate Amps---FLA/SFA	19.21/23.78	
Locked Rotor Amps - Max.	199	
Starter Type	Y-delta	
Starter Enclosure	IP54	
Cooling Data		
Nominal Fluid Flow – L/min (gpm)	32(8.5)	
Heat Rejection – Fluid Clr. kW (BTU/min)	11.3(641)	
Heat Rejection – Aft.Clr. kW(BTU/min)	2.55(145)	
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	5.2(1.4)	
Volume – Liter (U.S. Gal.)	13(3.4)	
Design Pressure – Bar(psig)	14.8(215)	
Dimensions & Weights		
Length - mm (inches)	998(39.3)	
Width - mm (inches)	618(24.3)	
Height - mm (inches)	1035(40.7)	
Weight - kg (lbs.)	350(772)	
Discharge Connection	Rp1	
dBA Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	66	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	34(1200)	
Air-cooled Fan Motor - kW (HP)	0.25(0.34)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta10=2,Beta26=75 Per NFPAT2.6.1	

*Capacity per GB3853 (Annex C to ISO 1217)

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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20117

Rev: 03

ShopTek CE Series, 110 KW VSD – 50/60 Hz Rated

MODEL	ST11007PSV	ST11008PSV	ST11010PSV
Compressor Performance*			
Full Load Pressure - bar (psig)	7 (100)	8 (115)	10 (145)
Capacity at Full Load Pressure - m ³ /min (acfm)	20.1(710)	19.6(692)	16.5(583)
Capacity Regulating Range - m ³ /min (acfm)	5.5-20.1 (194.2-710)	5.4-19.6 (190.7-692)	4.0-16.5 (141.3-583)
Shaft Power at Full Load Pressure – kW (BHP)	123.2(164.3)	122.4(164.1)	120.1(161.1)
Package Power kW (BHP)	135.9(182.2)	135.1(181.1)	132.6(177.9)
Gear Ratio	1.91	1.91	1.46
Frequency Range (Hz)	20-73.6	20-72	20-82.9
Electrical Data (Typical)			
Motor HP (KW)	380~415V		
Motor Nominal Efficiency	150(110)		
Motor Voltage@ Base Frequency	95.80%		
Motor Base Frequency(Hz)	380V		
Motor Base Speed (rpm)	70		
Motor Frame Size	2085		
Motor Service Factor	445TSC		
Motor IP	1.15		
Nameplate Amps---FLA/SFA	IP55		
Starter Type	203/233		
Starter Rating(A)	VSD		
Electrical Enclosure	302		
Cooling Data			
Fluid Flow – gpm(L/min)	37.7(142.7)	38.1(144.2)	38(143.8)
Heat Rejection – Fluid Clr.BTU/min(kW)	5801(102)	5858(103)	5844 (102.7)
Heat Rejection – Aft.Clr.BTU/min(kW)	1960(34.5)	1782(31.3)	1551(27.3)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	55(14.5)		
Volume – Liter(U.S. Gal.)	172.6(45.6)		
Design Pressure – Bar(psig)	15.9(231)		
Dimensions & Weights w/Enclosure			
Length - mm (inches)	3100 (122)		
Width - mm (inches)	1400 (55.2)		
Height - mm (inches)	2300 (90.5)		
Weight - kg (lbs.) - Air-cooled	2450 (5400)		
Discharge Connection	Rc2		
Moisture Drain Connection	G1/2		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	83		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	340(12000)		
Air-cooled Fan Motor - HP (KW)	5(3.7)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217) NOTE: Data subject to change without notice.



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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20078
Rev: 01

CE ST1500 Series, 15KW (20 HP) - 50 Hz

MODEL	ST1508	ST1510
Compressor Performance*		
Full Load Pressure - bar (psig)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	2.28(80.6)	2.05(72.4)
Power at Full Load Pressure – Shaft kW (BHP)	17.1(22.9)	17.6(23.5)
Package kW(BHP) Air-cooled	19.3(25.8)	19.8(26.6)
Pulley size mm/mm (motor/air end)	224/95	224/106
Electrical Data (Typical)		
	380-415V	
Motor KW (HP)	15(20)	
Motor Efficiency Standard/High (%)	91.9%	
Nominal rpm	2930	
Frame Size	Y2-160-2	
Motor Enclosure	IP55	
Service Factor	1.25	
Nameplate Amps---FLA/SFA	25.72/32.36	
Locked Rotor Amps - Max.	261	
Starter Type	Y-delta	
Starter Enclosure	IP54	
Cooling Data		
Nominal Fluid Flow – L/min (gpm)	38(10)	
Heat Rejection – Fluid Clr. kW (BTU/min)	14.85(845)	
Heat Rejection – Aft.Clr. kW(BTU/min)	3.37(191)	
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	5.2(1.4)	
Volume – Liter (U.S. Gal.)	13(3.4)	
Design Pressure – Bar(psig)	14.8(215)	
Dimensions & Weights		
Length - mm (inches)	998(39.3)	
Width - mm (inches)	618(24.3)	
Height - mm (inches)	1035(40.7)	
Weight - kg (lbs.)	365(805)	
Discharge Connection	Rp1	
dBA Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	68	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	34(1200)	
Air-cooled Fan Motor - kW (HP)	0.25 (0.34)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta10=2,Beta26=75 Per NFPAT2.6.1	

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20079
Rev: 00

CE ST1800 Series, 18.5 kW (25 HP) - 50 Hz

MODEL	ST1807	ST1808	ST1810
Compressor Performance*			
Full Load Pressure - bar (psig)	7(100)	8(115)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	3.2(113)	2.9(102)	2.6(92)
Power at Full Load Pressure – Shaft kW (BHP)	19.4(26.0)	19(25.5)	19(25.5)
Package kW(BHP) Air-cooled	20 (26.7)	19.5(26.2)	19.5(26.2)
Gear Ratio	3.16	3.04	2.68
Electrical Data (Typical)		380-415V	
Motor hp (hp rated kW)	25(18.5)		
Motor Nominal Efficiency	92.6%		
Nominal rpm	1475		
Frame Size	286TSC-4		
Motor Enclosure	IP55		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	34.6/38.8		
Locked Rotor Amps - Max.	284		
Starter Type	Y-delta		
Electrical Enclosure	IP54		
Cooling Data			
Fluid Flow – gpm(L/min)	7(26)	8(30)	9.9(37)
Heat Rejection – Fluid Clr.BTU/min(kW)	973(17.1)	923(16.2)	957(16.8)
Heat Rejection – Aft.Clr.BTU/min(kW)	215(3.8)	198(3.5)	164(2.9)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	11.5(3)		
Volume – Liter(U.S. Gal.)	31(8.2)		
Design Pressure – Bar(psig)	15.9(231)		
Dimensions & Weights w/Enclosure			
Length - mm (inches)	1340(53)		
Width - mm (inches)	740(29)		
Height - mm (inches)	1315(51.6)		
Weight - kg (lbs.) - Air-cooled	610(1345)		
Discharge Connection	Rc1		
Moisture Drain Connection	Rc1 /8		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/o enclosure	67		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (140Pa)	91		
Air-cooled Fan Motor - kW	0.85		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20081
Rev: 00

CE ST1800V Series, 18.5 kW (25 HP) - 50/60 Hz

MODEL	ST1808	ST1810
Compressor Performance*		
Full Load Pressure - bar (psig)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	3.0(105)	2.6(92)
Capacity Regulating Range - m ³ /min (acfm)	1.0-3.0 (35.3-105)	0.8-2.6 (28.3-92)
Power at Full Load Pressure – Shaft kW (BHP)	20.1(26.9)	20.3(27.2)
Package kW Air-cooled	20.6(27.6)	20.8(27.9)
Gear Ratio	2.56	2.15
Frequency Range (Hz)	20-60	
Electrical Data (Typical)		
380-415V 50/60Hz		
Motor hp (hp rated kW)	25(18.5)	
Motor Nominal Efficiency	93.6%	
Base Frequency (Hz)	60	
Base Speed (rpm)	1800	
Frame Size	284TSC	
Motor Enclosure	IP55	
Service Factor	1.15	
Nameplate Amps---FLA/SFA	35.3/40.6	
Starter Type	VSD	
Electrical Enclosure	IP54	
Cooling Data		
Fluid Flow – gpm (L/min)	8(30)	9.9(37)
Heat Rejection – Fluid Clr.BTU/min (kW)	923(16.2)	957(16.8)
Heat Rejection – Aft.Clr.BTU/min (kW)	198(3.5)	164(2.9)
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	11(2.9)	
Volume – Liter (U.S. Gal.)	31(8.2)	
Design pressure –Bar (psig)	15.9(231)	
Dimensions & Weights w/Enclosure		
Length - mm (inches)	1690 (66.8)	
Width - mm (inches)	740 (29)	
Height - mm (inches)	1315 (51.6)	
Weight - kg (lbs.) - Air-cooled	680 (1665)	
Discharge Connection	Rc1	
Moisture Drain Connection	Rc1/4	
dBa Ratings at 1 Meter (Typical)		
Air – cooled w/o enclosure	67	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (140Pa)	91	
Air-cooled Fan Motor - hp (hp rated kW)	0.85	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572	

*Capacity per GB3853 (Annex C to ISO 1217) NOTE: Data subject to change without notice.



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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20080

Rev: 00

CE ST2200 Series, 22 kW (30 HP) - 50 Hz

MODEL	ST2207	ST2208	ST2210
Compressor Performance*			
Full Load Pressure - bar (psig)	7(101)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	3.75(132)	3.55(125)	3.1(109)
Power at Full Load Pressure – Shaft kW (BHP)	23.7(31.8)	23.7(31.8)	23.7(31.8)
Package kW (BHP)Air-cooled	24.2(32.5)	24.2(32.5)	24.2(32.5)
Gear Ratio	3.85	3.7	3.16
Electrical Data (Typical)			
	380-415V		
Motor hp (hp rated kW)	30(22)		
Motor Nominal Efficiency	93.0%		
Nominal rpm	1475		
Frame Size	286TSC-4		
Motor Enclosure	IP55		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	40.3/45.02		
Locked Rotor Amps - Max.	311		
Starter Type	Y-delta		
Electrical Enclosure	IP54		
Cooling Data			
Fluid Flow – gpm(L/min)	8(30)	8(30)	9.9(37)
Heat Rejection – Fluid Clr.BTU/min(kW)	1153(20.3)	1145(20.1)	1145(20.1)
Heat Rejection – Aft.Clr.BTU/min(kW)	255(4.5)	243(4.3)	216(3.8)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	11.5(3)		
Volume – Liter(U.S. Gal.)	31(8.2)		
Design Pressure – Bar(psig)	15.9(231)		
Dimensions & Weights w/Enclosure			
Length - mm (inches)	1340(53)		
Width - mm (inches)	740(29)		
Height - mm (inches)	1315(51.6)		
Weight - kg (lbs.) - Air-cooled	660(1499)		
Discharge Connection	Rc1		
Moisture Drain Connection	Rc1 /8		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/o enclosure	68		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (140Pa)	91		
Air-cooled Fan Motor - kW	0.85		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20082
Rev: 00

CE ST2200V Series, 22 kW (30 HP) - 50/60 Hz

MODEL	ST2208	ST2210
Compressor Performance*		
Full Load Pressure - bar (psig)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	3.6(126)	3.1(108)
Capacity Regulating Range - m ³ /min (acfm)	1.2-3.6(42.4-126)	1.0-3.1(35.3-108)
Power at Full Load Pressure – Shaft kW (BHP)	24(32.2)	24.4(32.7)
Package kW Air-cooled	24.5(32.9)	24.9(33.4)
Gear Ratio	3.04	2.68
Frequency Range (Hz)	20-60	
Electrical Data (Typical)		
380-415V 50/60Hz		
Motor hp (hp rated kW)	30(22)	
Motor Nominal Efficiency	93.6%	
Base Frequency (Hz)	60	
Base Speed (rpm)	1800	
Frame Size	286TSC	
Motor Enclosure	IP55	
Service Factor	1.15	
Nameplate Amps---FLA/SFA	42/48.3	
Starter Type	VSD	
Electrical Enclosure	IP54	
Cooling Data		
Fluid Flow – gpm (L/min)	8(30)	9.9(37)
Heat Rejection – Fluid Clr.BTU/min (kW)	1153(20.3)	1145(20.1)
Heat Rejection – Aft.Clr.BTU/min (kW)	255(4.5)	243(4.3)
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	11.5(3)	
Volume – Liter (U.S. Gal.)	31(8.2)	
Design pressure – Bar (psig)	15.9(231)	
Dimensions & Weights w/Enclosure		
Length - mm (inches)	1690 (66.8)	
Width - mm (inches)	740 (29)	
Height - mm (inches)	1315 (51.6)	
Weight - kg (lbs.) - Air-cooled	780 (1910)	
Discharge Connection	Rc1	
Moisture Drain Connection	Rc1/4	
dBa Ratings at 1 Meter (Typical)		
Air – cooled w/o enclosure	68	
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (140Pa)	91	
Air-cooled Fan Motor - hp (hp rated kW)	0.85	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572	

*Capacity per GB3853 (Annex C to ISO 1217) NOTE: Data subject to change without notice.



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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20065
Rev: 00

CE ST3000 Series, 30 kW (40 HP) - 50 Hz

MODEL	ST3007	ST3008	ST3010
Compressor Performance*			
Full Load Pressure - bar (psig)	7(101)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	5.1(180)	4.75(168)	4.1(145)
Power at Full Load Pressure – Shaft kW (BHP)	32.9(44.1)	32.6(43.7)	31.3(41.9)
Package kW (BHP) Air-cooled	34.6(46.4)	34.4(46.1)	33.1(44.4)
Gear Ratio	2.48	2.35	2.03
Electrical Data (Typical)			
	380-415V		
Motor hp (hp rated kW)	40(30)		
Motor Nominal Efficiency	93.3%		
Nominal rpm	2970		
Frame Size (ODP)	326TSC-2		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	51/58.9		
Starter Type	Y-delta		
Electrical & Motor Enclosure	IP55		
Cooling Data			
Fluid Flow – gpm(L/min)	11(41)		12.5(47)
Heat Rejection – Fluid Clr.BTU/min(kW)	1870(33.3)	1594(28.1)	1525(26.8)
Heat Rejection – Aft.Clr.BTU/min(kW)	342(6.0)	325(5.7)	286(5.0)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	26(6.9)		
Volume – Liter (U.S. Gal.)	65(17)		
Design Pressure – Bar(psig)	11.9(173)		
Dimensions & Weights w/Enclosure			
Length - mm (inches)	1700(67)		
Width - mm (inches)	935(36.8)		
Height - mm (inches)	1450(57)		
Weight - kg (lbs.) - Air-cooled	950(2095)		
Discharge Connection	Rc1 1/2		
Moisture Drain Connection	Rc1 /8		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	75		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	170(6000)		
Air-cooled Fan Motor - hp (hp rated kW)	3(2.2)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.



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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20067

Rev: 00

CE ST3000V Series, 30 kW (40 HP) – 50/60 Hz

MODEL	ST3008V	ST3010V
Compressor Performance*		
Full Load Pressure - bar (psig)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	4.75(168)	4.25(150)
Capacity Regulating Range - m ³ /min (acfm)	1.6-4.75(56.5-168)	1.4-4.25(49.4-150)
Power at Full Load Pressure – Shaft kW (BHP)	32.5(43.5)	32.8(44.0)
Package kW Air-cooled	34.3(46.0)	34.6(46.4)
Gear Ratio	3.85	3.52
Frequency Range (Hz)	20-60	
Electrical Data (Typical)		
380-480V 50/60Hz		
Motor hp (hp rated kW)	40(30)	
Motor Nominal Efficiency	94.1%	
Motor Voltage	380V	
Motor Base Frequency(Hz)	60	
Motor Base Speed (rpm)	1800	
Motor Frame Size	324TSC-4	
Motor Service Factor	1.15	
Motor IP	IP55	
Starter Type	VSD	
Starter Rating(A)	75	
Nameplate Amps---FLA/SFA	57/65.6	
Cooling Data		
Fluid Flow – gpm(L/min)	11(41)	12.5(47)
Heat Rejection – Fluid Clr.BTU/min(kW)	1567(27.6)	1566(27.6)
Heat Rejection – Aft.Clr.BTU/min(kW)	318(5.6)	272(4.8)
Air/Fluid Receiver		
Fluid Fill Capacity - Liter (U.S. Gal.)	26(6.9)	
Volume – Liter (U.S. Gal.)	65(17)	
Design Pressure – Bar(psig)	15.7(228)	
Dimensions & Weights w/Enclosure		
Length - mm (inches)	2050(81)	
Width - mm (inches)	935(36.8)	
Height - mm (inches)	1450(57)	
Weight - kg (lbs.) - Air-cooled	1050(2315)	
Discharge Connection	Rc1 1/2	
Moisture Drain Connection	Rc1 /8	
dBa Ratings at 1 Meter (Typical)		
Air – cooled w/ enclosure	75	

MODEL	ST3008V	ST3010V
Cooling Air Flows		
Air Flow Air-cooled Fan - m ³ /min (cfm)	170(6000)	
Air-cooled Fan Motor - hp (hp rated kW)	3(2.2)	
Filter Rating		
Inlet Air	99.5% Eff.Per SAE J726C	
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572	

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20066
Rev: 00

CE ST3700 Series, 37kW (50 HP) – 50 HZ

MODEL	ST3707	ST3708	ST3710
Compressor Performance*			
Full Load Pressure - bar (psig)	7(101)	8(116)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	6.8(240)	6.3(222)	5.8(204)
Power at Full Load Pressure – Shaft kW (BHP)	40.6(54.4)	39.7(53.2)	41.3(55.4)
Package kW Air-cooled	42.4(56.9)	41.5(55.7)	43.1(57.8)
Gear Ratio	2.96	2.75	2.56
Electrical Data (Typical)			
	380-415V		
Motor hp (hp rated kW)	50(37)		
Motor Nominal Efficiency	93.9%		
Nominal rpm	1475		
Frame Size (ODP)	365TSC-4		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	67.75/76.85		
Starter Type	Y-delta		
Electrical & Motor Enclosure	IP55		
Cooling Data			
Fluid Flow – L/min (gpm)	49.2(13)	48.4(12.8)	51.8(13.7)
Heat Rejection – Fluid Clr. kW (BTU/min)	34.1(1941)	33.5(1905)	34.97(1989)
Heat Rejection – Aft.Clr. kW (BTU/min)	7.71(439)	7.47(425)	6.48(369)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	26(6.9)		
Volume – Liter (U.S. Gal.)	65(17)		
Design Pressure – Bar(psig)	11.9(173)		
Dimensions & Weights w/Enclosure			
Length - mm (inches)	1700(67)		
Width - mm (inches)	935(36.8)		
Height - mm (inches)	1450(57)		
Weight - kg (lbs.) - Air-cooled	1050(2315)		
Discharge Connection	Rc1 1/2		
Moisture Drain Connection	Rc1 /8		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	75		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	170(6000)		
Air-cooled Fan Motor - hp (hp rated kW)	3(2.2)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20097
Rev: 01

ShopTek CE Series, 45 KW - 50 Hz Rated

MODEL	ST4507	ST4508	ST4510
Compressor Performance*			
Full Load Pressure - bar (psig)	7(100)	8(115)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	8.5(300)	7.8(276)	6.9(244)
Shaft power at Full Load Pressure – kW (BHP)	49.3(66.1)	48(64.3)	48.1(64.5)
Package power kW (BHP)	55.8 (74.7)	54.3 (72.8)	54.5 (73)
Gear Ratio	1.85	1.69	1.54
Electrical Data (Typical)			
	380~415V		
Motor HP (KW)	60(45)		
Motor Nominal Efficiency	94.20%		
Nominal rpm	1470		
Frame Size	365TSC-4		
Motor Enclosure	IP55		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	80.3/91.95		
Starter Type	Y-delta		
Electrical Enclosure	IP55		
Locked Rotor Amps - Max.	693.3		
Cooling Data			
Nominal Fluid Flow – gpm(L/min)	19(71.9)	20(75.7)	22(83.3)
Heat Rejection – Fluid Clr.BTU/min(KW)	2303(40.5)	2262(39.8)	2300(40.4)
Heat Rejection – Aft.Clr.BTU/min(KW)	789(13.9)	731(12.9)	655(11.5)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	35 (9.2)		
Volume – Liter(U.S. Gal.)	90 (23.9)		
Design Pressure – Bar(psig)	15.7 (228)		
Dimensions & Weights			
Length - mm (inches)	2200(86.6)		
Width - mm (inches)	1200(47.2)		
Height - mm (inches)	1740(68.5)		
Weight - kg (lbs.)	1425(3142)		
Discharge Connection	Rc2		
Moisture Drain Connection	G1/2		
dba Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	82		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	250(8828)		
Air-cooled Fan Motor – HP(KW)	3(2.2)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20098
Rev: 01

ShopTek CE Series, 55 KW - 50 Hz Rated

MODEL	ST5507	ST5508	ST5510
Compressor Performance*			
Full Load Pressure - bar (psig)	7(100)	8(115)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	10.5(371)	9.5(336)	8.6(304)
Shaft power at Full Load Pressure – kW (BHP)	60.5(81.1)	58.4(78.3)	60.4(81)
Package power kW (BHP)	66.8 (89.6)	66.8 (89.6)	66.7 (89.4)
Gear Ratio	2.26	2.03	1.91
Electrical Data (Typical)			
	380~415V		
Motor HP (KW)	75(55)		
Motor Nominal Efficiency	94.60%		
Nominal rpm	1470		
Frame Size	405TSC-4		
Motor Enclosure	IP55		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	97.5/111.05		
Starter Type	Y-delta		
Electrical Enclosure	IP55		
Locked Rotor Amps - Max.	771		
Cooling Data			
Nominal Fluid Flow – gpm(L/min)	19(71.9)	20.4(77.2)	22.5(85.2)
Heat Rejection – Fluid Clr.BTU/min(KW)	2883(50.7)	2805(49.3)	2918(51.3)
Heat Rejection – Aft.Clr.BTU/min(KW)	975(17.1)	891(15.7)	817(14.4)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	35 (9.2)		
Volume – Liter(U.S. Gal.)	90 (23.9)		
Design Pressure – Bar(psig)	15.7 (228)		
Dimensions & Weights			
Length - mm (inches)	2200(86.6)		
Width - mm (inches)	1200(47.2)		
Height - mm (inches)	1740(68.5)		
Weight - kg (lbs.)	1455 (3208)		
Discharge Connection	Rc2		
Moisture Drain Connection	G1/2		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	82		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	250(8828)		
Air-cooled Fan Motor – HP(KW)	3(2.2)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

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SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : DOC-20099
Rev: 01

ShopTek CE Series, 75 KW - 50 Hz Rated

MODEL	ST7507	ST7508	ST7510
Compressor Performance*			
Full Load Pressure - bar (psig)	7(100)	8(115)	10(145)
Capacity at Full Load Pressure - m ³ /min (acfm)	13.5(477)	12.5(442)	11.1(392)
Shaft power at Full Load Pressure – kW (BHP)	80.6(108)	77.6(104)	83(111)
Package power kW (BHP)	88.2(118.2)	85(113.9)	90.8(121.7)
Gear Ratio	1.46	1.35	1.24
Electrical Data (Typical)			
	380~415V		
Motor HP (KW)	100(75)		
Motor Nominal Efficiency	94.70%		
Nominal rpm	2975		
Frame Size	445TSC-2		
Motor Enclosure	IP55		
Service Factor	1.15		
Nameplate Amps---FLA/SFA	125.6/144.2		
Starter Type	Y-delta		
Electrical Enclosure	IP55		
Locked Rotor Amps - Max.	750		
Cooling Data			
Nominal Fluid Flow – gpm(L/min)	30(113.6)	30(113.6)	30(113.6)
Heat Rejection – Fluid Clr.BTU/min(KW)	3894(68.5)	3754(66)	4051(71.2)
Heat Rejection – Aft.Clr.BTU/min(KW)	1254(22.1)	1172(20.6)	1060(18.6)
Air/Fluid Receiver			
Fluid Fill Capacity - Liter (U.S. Gal.)	35(9.2)		
Volume – Liter(U.S. Gal.)	90(23.9)		
Design Pressure – Bar(psig)	15.7(228)		
Dimensions & Weights			
Length - mm (inches)	2200(86.6)		
Width - mm (inches)	1200(47.2)		
Height - mm (inches)	1740(68.5)		
Weight - kg (lbs.)	1565(3450)		
Discharge Connection	Rc2		
Moisture Drain Connection	G1/2		
dBa Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure	82		
Cooling Air Flows			
Air Flow Air-cooled Fan - m ³ /min (cfm)	308.3(10887)		
Air-cooled Fan Motor – HP(KW)	4(3)		
Filter Rating			
Inlet Air	99.5% Eff.Per SAE J726C		
Main Lubricant Flow	Beta3=2,Beta23=75 Per ISO4572		

*Capacity per GB3853 (Annex C to ISO 1217)

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