

CT5 SIMPLEX TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)						
Normal working pressure - psi	175					
Motor RPM	3550		1725			
Capacity at normal working press - cfm	15.9		17.8			
Basic Pump						
Model	CT55					
Stage	2					
Lubrication type	Splash Lube					
Valve type	Channel Valve					
RPM (min – max) – rpm	650 - 1050					
Outfit RPM (3550rpm motor)	819					
Outfit RPM (1725rpm motor)	875					
Bore (LP/HP) – inch	3.93"-2.16" [100mm – 55mm]					
Stroke – inch	3.38" [86mm]					
Inlet size	1/2" NPT					
Discharge Tube size	3/4" OD					
Sheave OD	16.53" [420mm]					
Sheave PD	16.26" [413mm]					
Number of belts	2					
Belt section	A					
Low oil sight glass	Yes					
Oil quantity	3 Pints					
Unloaders and Method	Bleeder Type Pressure Switch					
Motor ODP is CT5HS compressors without magnetic starters	1-230V		3-200V	3-230V	3-460	3-575V
Enclosure	ODP	IP23	IP23	IP23	IP23	IP23
Insulation Class	F	F	F	F	F	F
Efficiency - %	86.3	82.5	87.5	89.5	89.5	89.5
Nominal rated power – HP	5	5	5	5	5	5
Speed of rotation - rpm	3550	1725	1750	1750	1750	1750
FLA	22	23.0	16.4	13.2	6.6	5.3
Service factor	1.0	1.15	1.15	1.15	1.15	1.15
Locked rotor current – A	97	129	109	95	47	38
Power Factor	73	87	87.5	89.5	89.5	80
Installation condition						
Allowed ambient temperature min - max - °F	32-104					
Compressor dimensions						
Air Receiver Type	Vertical			Vertical		
Air receiver size (Gal)	60			80		
Compressor outlet	1/2" NPT			1/2" NPT		
Length – inch	34			33		
Width – inch	24			27		
Height – inch	74			73		
Weight – Lbs.	475			515		

Remark:

1. Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
2. Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
3. Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.