PRODUCT INFORMATION PACKET

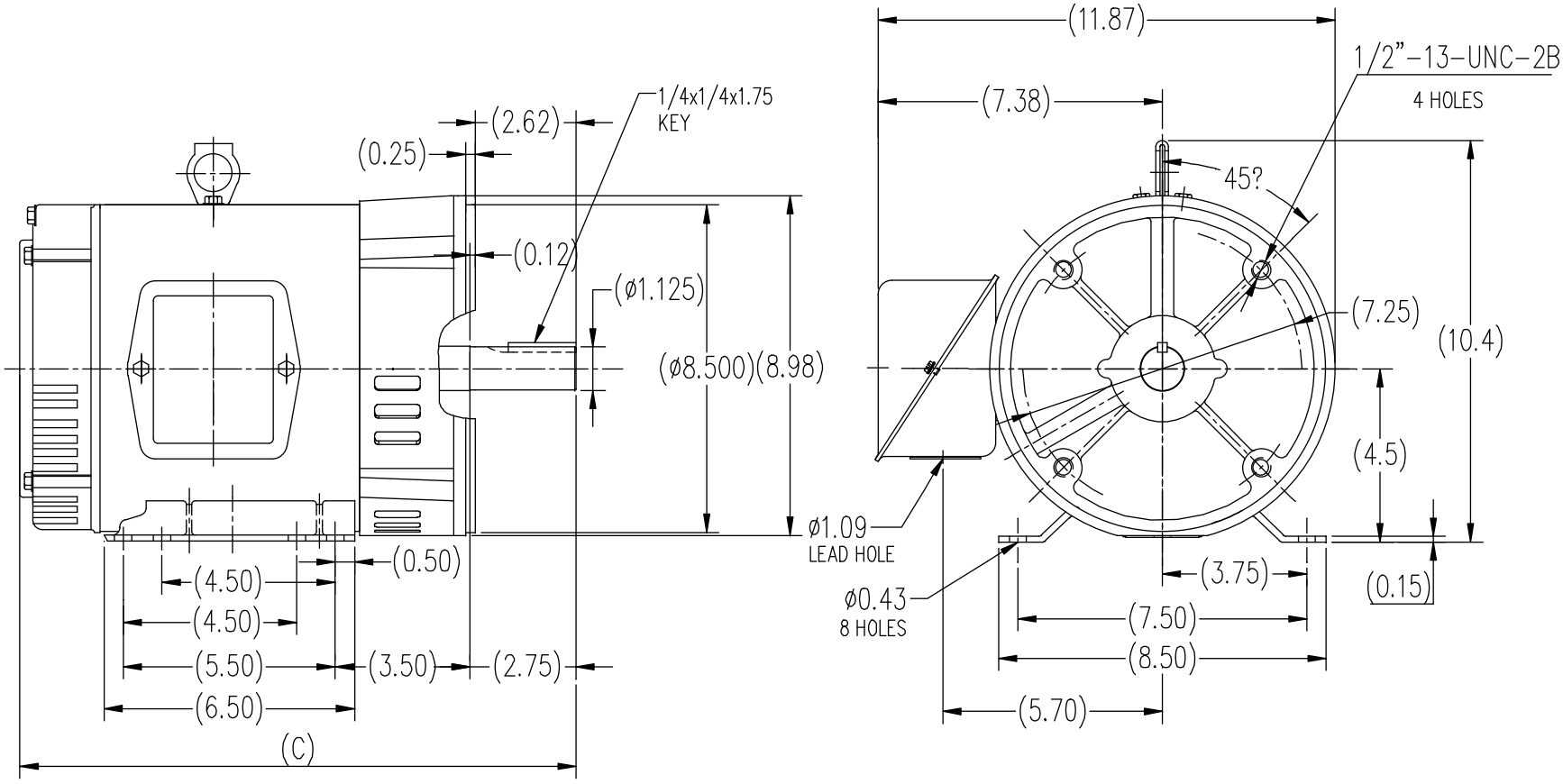
Model No: 199737.00
Catalog No: 199737.00
Ultimate e™ General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 184TC Frame, DP

Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	1755 & 1468 rpm	Service Factor	1.15 & 1.15
Frame	184TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.8/6.4 & 9.6/4.8 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	N
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.25 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	15.46 in
Frame Length	6.73 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7308LE	Outline Drawing	SS620656-184TC



(DRAWING MAY NOT BE TO SCALE)

ODP 182TC	14.45
ODP 184TC	15.46
FRAME	C

			TOLERANCES UNLESS SPECIFIED		REGAL Regal-Beloit Corporation		DRAWN	ZYH 11-5-2013
			DEC.	INCHES			CHK	
			.X	±.1			APPD	
			.XX	±.03	TITLE	OUTLINE	SCALE	1=4
			.XXX	±.005		182/184TC FR-ODP-ROLLED STEEL	REF	
			.XXXX	±.0005	MAT'L.		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG ±1/2	FINISH		PREV	

RFP	CAD FILE SS620656	SIZE	DRAWING NO.	REV.
DIST		B	SS620656	

Data Sheet

Date: 1/30/2018

199737.00

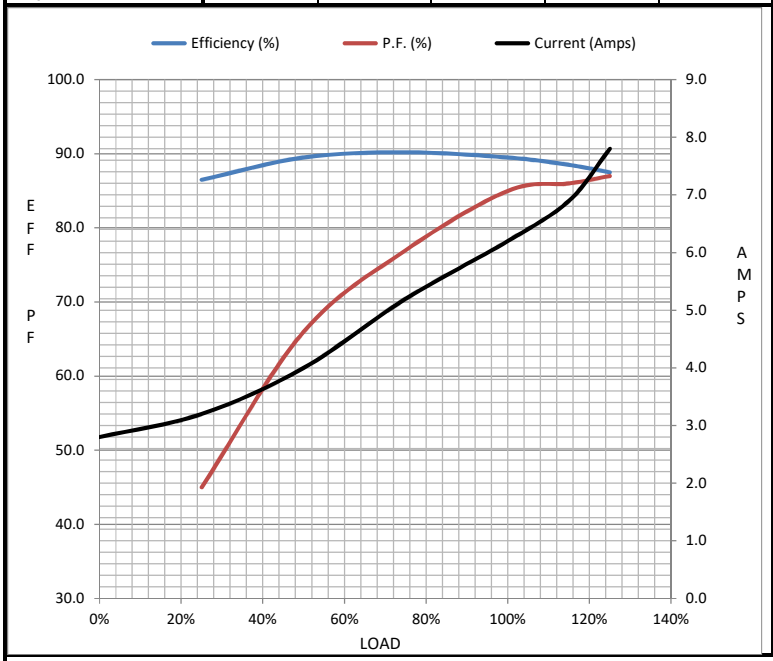
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.80	3.2	4.0	5.2	6.2	6.9	7.8	46.0	
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.1	17.4	19.0	39.0	
RPM	1800	1790	1780	1755	1740	1,732	1725	0	
Efficiency (%)		86.5	89.5	90.2	89.5	88.5	87.5		
P.F. (%)	6.0	45.0	66.0	77.0	85.0	86.0	87.0	46.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1450	1740	1800
Current (Amps)	46.0	53.0	32.0	6.2	2.80
Torque (ft-lb)	39.0	38.0	52.0	15.1	0.00



Information Block

HP	5.0	
Sync. RPM	1800	
Frame	184	
Enclosure	DP	
Construction	TDB	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.50	Lb-Ft²
Ref Wdg	CHT18440008 NONE	
Sound Pressure @ 1M	67	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS620656	
Conn. Diag	EE7308LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.3040	1.5310	3.9410	4.1160	108.5810

Speed -Torque Curve