

PRODUCT INFORMATION PACKET



Model No: 194224.00
Catalog No: 194224.00
2 HP Definite Purpose AC, 3 phase, 1800 RPM, 230/460 V, 90L Frame, TEFC
IEC Definite Purpose AC Brake Motors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set against a dark blue, textured background that resembles a halftone pattern. The logo is partially enclosed by a white diagonal line.



Nameplate Specifications

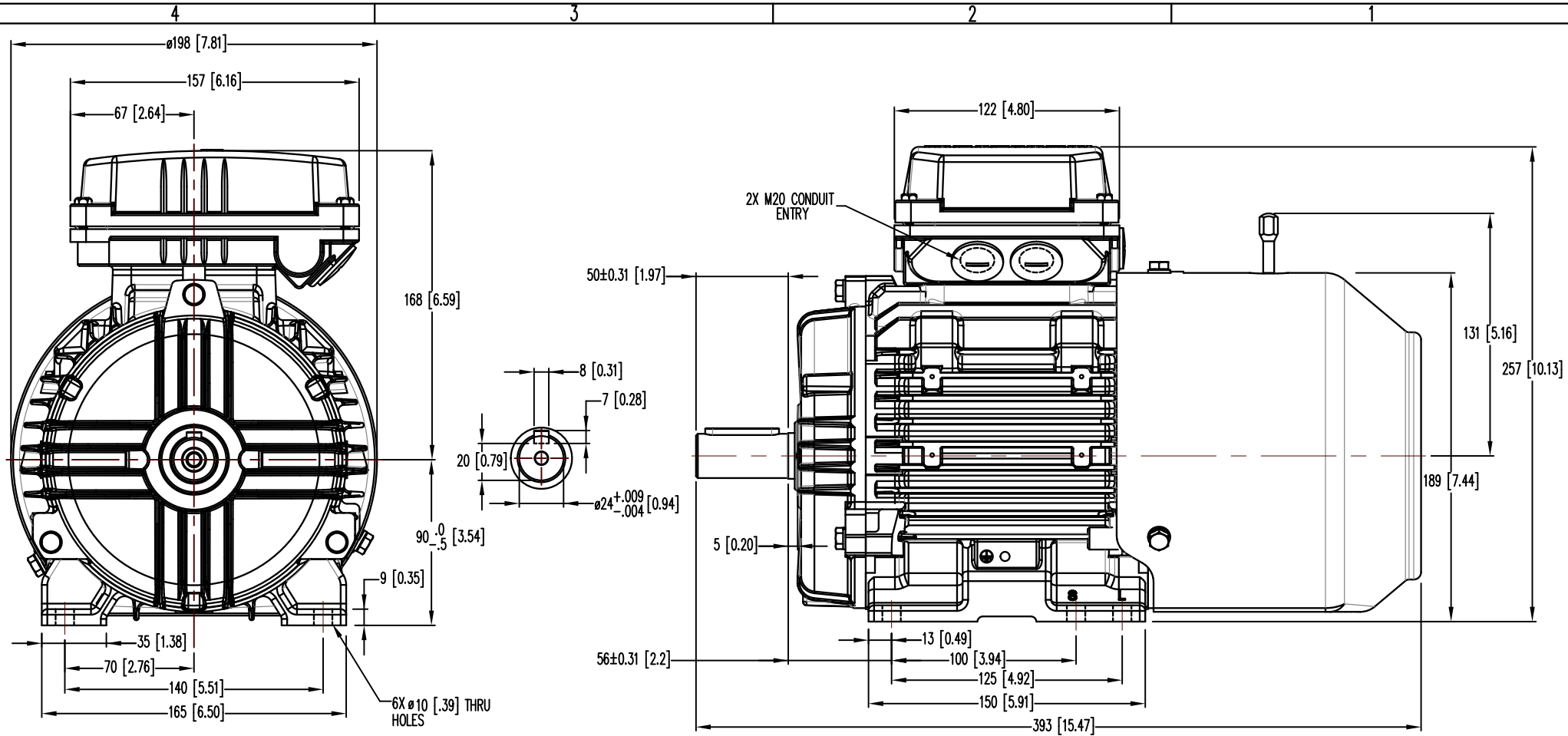
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.6/2.8 A	Speed	1740 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	77
Duty	Continuous	Insulation Class	F
Design Code	No Design Code	KVA Code	K
Frame	90L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	15.47 in
Frame Length	6.02 in	Shaft Diameter	1.000 in
Shaft Extension	1.96 in	Assembly/Box Mounting	F3

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Type	Poles	Output		Voltage (V)	I (A)	Frequency (Hz)	Speed (r/min)	Eff.(%)	Power Factor	Ist/In	Tst/Tn	Tmax/Tn	Ins.	CONN (stator)	Duty	SF	IM	IC	IP	Bearing	
		(HP)	(kW)																	DE	NDE
TCA 90L04	4	2	1.5	230/460	5.62/2.81	60	1740	IE3-86.5	0.77	7.5	2.5	3.0	F	YY/Y	S1	1.15	B3	411	55	6205ZZC3	6205ZZC3

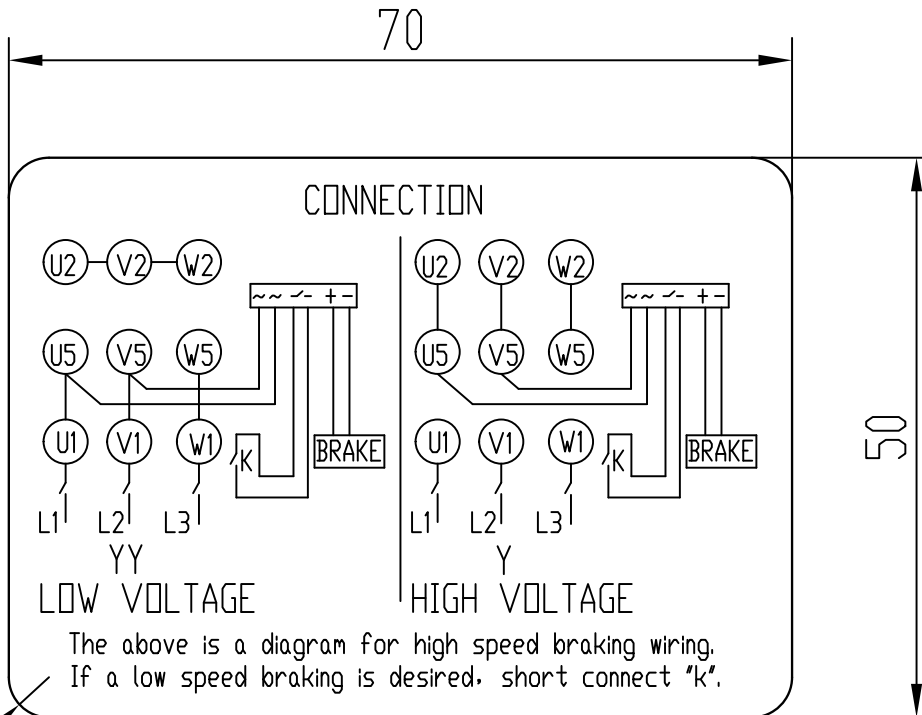
AMB -20~+40°C
Brake Torque: 16 Nm

DRAWING REVISION	REVISION BY	DATE
ECO	APPROVED BY	DATE
ECO DESCRIPTION		
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DRAWN BY	UDAY	 REGAL-BELT CORPORATION
DATE	23/3/2016	
APPROVED BY	SBD	
DATE	23/3/2016	
REFERENCE	DESCRIPTION	
	90 FR- B3 BRAKE MTG. MOTOR TYPE: TCA	
	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER
	B	0G09000558
		SHEET 1 OF 1



DESCRIPTION
90 FR.- B3 BRAKE MTG. MOTOR TYPE: TCA



NOTES:

1. Characters, marks and lines are black;
CONNECTION, LOW VOLTAGE, HIGH VOLTAGE,
YY, Y size 2.5, other letters size 1.8

R3

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DRAWN BY	Wu Shunrui	 Regal Beloit America, Inc.
DATE	13/06/2016	
APPROVED BY	Suresh Datal	DESCRIPTION Connection diagram (LEESON)
DATE	13/06/2016	
REFERENCE		MATERIAL 4 of 4 PROCESS/FINISH