marathon®

General Purpose Motors

Model No: 184TTDW16038
Catalog No: U428B

General Purpose Motor, 5 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, DP

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Product Information Packet: Model No: 184TTDW16038, Catalog No: U428B General Purpose Motor, 5 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**5 & 4 Hp**
Output KW	**3.7 & 3.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1755 & 1460 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**184T**
Enclosure	**Drip Proof**	Thermal Protection	**Automatic**
Efficiency	**89.5 & 86.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**12.6/6.3 & 12.4/6.2 A**
Power Factor	**83**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**J**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

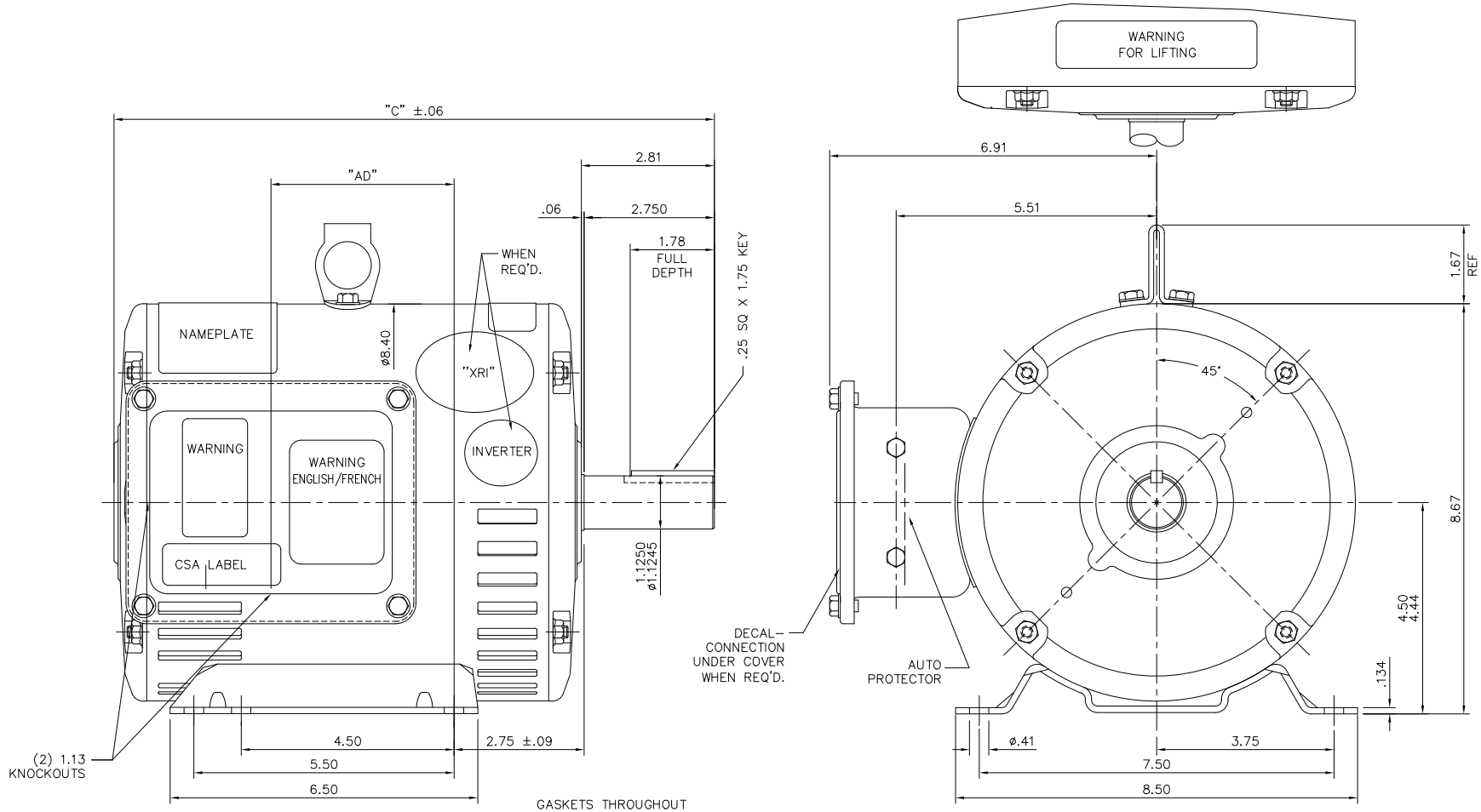
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Clockwise**
Resistance Main	**2.72 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**14.19 in**
Frame Length	**10.0 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.81 in**	Assembly/Box Mounting	**F1 Only**

Drawings

Connection Drawing	**005020.02ME**	Outline Drawing	**035658-1000**

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DASH NO.	"C"	"AD"
850	12.69	3.87
900	13.19	4.37
950	13.69	4.87
1000	14.19	5.37
1050	14.69	5.87
1100	15.19	6.37
1150	15.69	6.87
1200	16.19	7.37

DRAWING REVISION: J	REVISION BY: SB	REV DATE/ © DATE: 07/25/2025
REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 07/25/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200/5.1 INCH/mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: YS	
DATE: 03/20/08	
APPROVED BY:	
DATE:	
REFERENCE: 035621	
THIRD ANGLE PROJECTION	

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DESCRIPTION: OUTLINE
180T FRAME - DRIP PROOF - RIGID

MATERIAL | PROCESS/FINISH

SIZE: B | DRAWING NUMBER: 035658 | SHEET: 1 OF 1

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CERTIFICATION DATA SHEET

Model#:	184TTDW16038 AA	**WINDING#:**	T84169 DR 7
CONN. DIAGRAM:	005020.02ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035658-1000		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&4	3.7&2.98	1800	1755&1460	184T	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	12.6/6.3&12.4/6.2	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 89.5&89.5	3/4 LOAD EFF: 90.7	1/2 LOAD EFF: 90.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83&77.5	3/4 LOAD PF: 78.4	1/2 LOAD PF: 68.6	87.5	SQ CAGE IND RUN	5 / 2.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.95 LB-FT	95 / 47.5	30 LB-FT 200	49.3 LB-FT 329	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.434 LB-FT^2	0 LB-FT^2	15 SEC.	2	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6206	BALL 6205	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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