

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 215TTDC6029

Catalog No: U284

10 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 215T Frame, ODP  
General Purpose Motors



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**RegalRexnord**

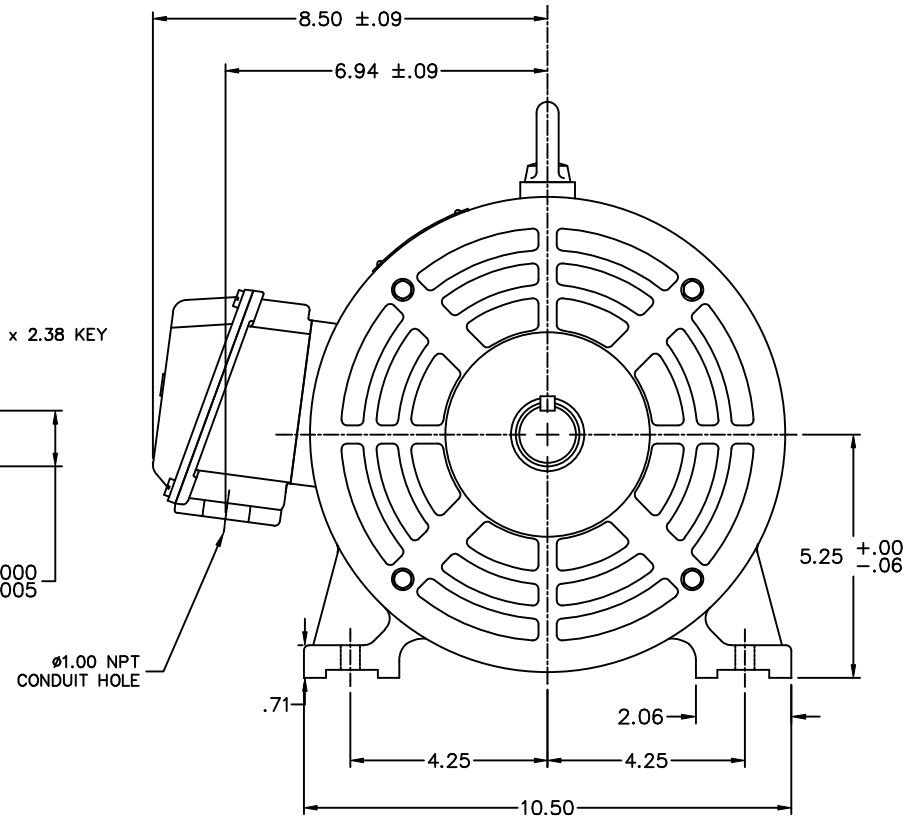
**Nameplate Specifications**


Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	10.5 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	79.3
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	J
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

**Technical Specifications**

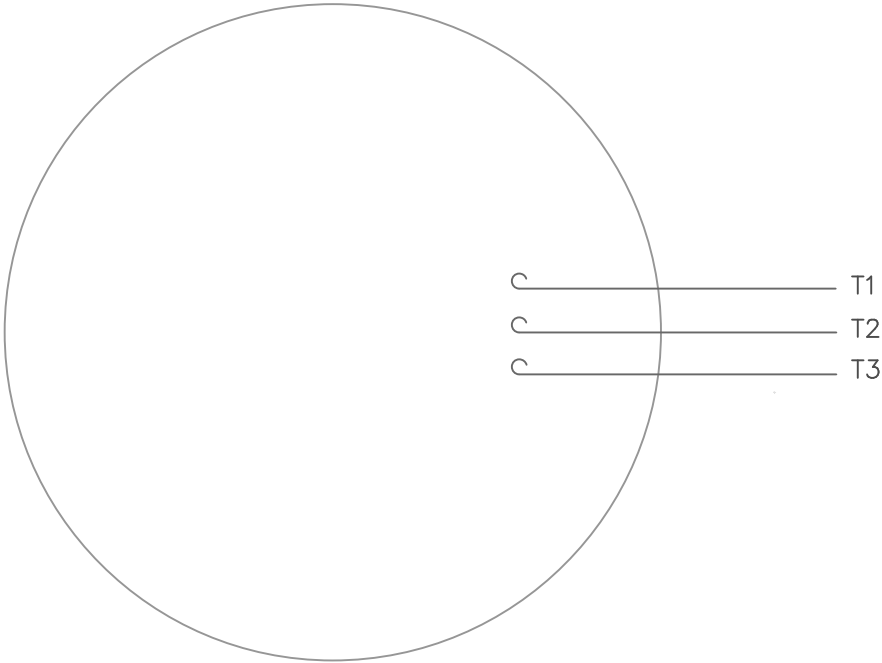
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.087 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	17.87 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	00510201ME	Outline Drawing	169550.60ME

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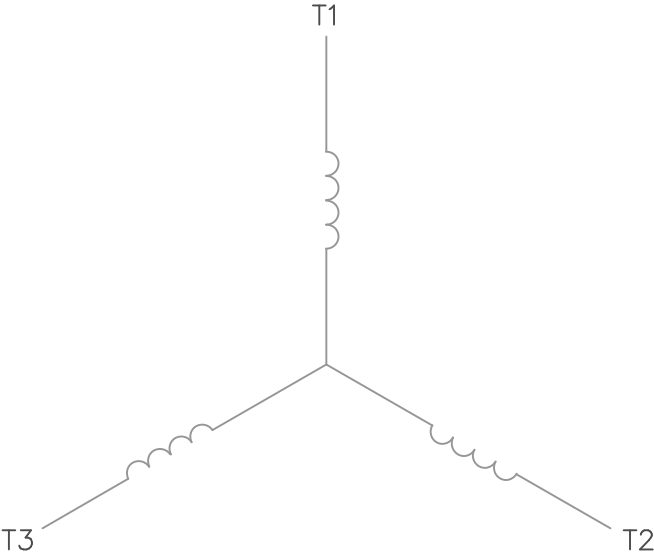
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				TOLERANCES UNLESS SPECIFIED			DRAWN CTO 04-23-2002
				DEC. INCHES			CHK ML 05-20-2002
			.X ±.1				APPD SB 05-21-2002
			.XX ±.03		TITLE OUTLINE - 21ST FRAME		SCALE 1=1
			.XXX ±.005		ODP, RIGID MOUNT, NEW CON-BOX		REF 169515
1	NEW DRAWING	CTO 04/23/02	.XXXX ±.0005	MAT'L			FMF
NO.	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH			PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP CAD FILE 16955060me	SIZE B	DRAWING NO. 169550-60ME	REV. 1
				DIST			

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.




LINE LEADS



CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED			DRAWN RDW 5/1/02	
				DEC.	INCHES		CHK	
				.X	±.1		APPD	
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE 1=1	
				.XXX	±.005		REF	
				.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	5/1/02	CAD FILE 00510201ME	SIZE A	DRAWING NO. 005102-01ME
				DIST				REV.

## CERTIFICATION DATA SHEET

Model#: 215TTDC6029 AA

WINDING#: T10704024 NONE 4

CONN. DIAGRAM: 00510201ME

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: 169550.60ME

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1765	215T	DP	J	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	10.5	LINE OR INVERTER	CONTINUOUS	F2	1.15/1.0	40	3300

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79.3	3/4 LOAD PF: 71.5	1/2 LOAD PF: 60	90.2	SQ CAGE INV RATED	5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.7 LB-FT	81.5	55.5 LB-FT 187	108.5 LB-FT 365	48

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	220 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	BALL						
6308	6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1			
INV. HP SPEED RANGE: 1.5 X BASE SPEED			
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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FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

## Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

215TTDC6029



Submittal

Data @ 575 V

## Motor Load Data

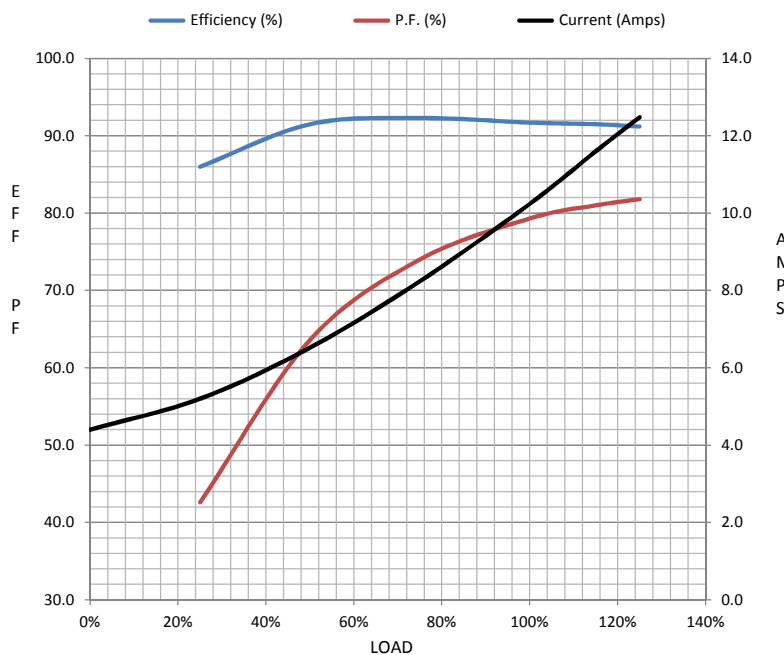
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.4	5.2	6.5	8.2	10.2	11.6	12.5	80.0	
Torque (ft-lb)	0.00	7.5	14.9	22.3	29.8	34.3	37.2	62.0	
RPM	1800	1792	1784	1774	1765	1,760	1755	0	
Efficiency (%)		86.0	91.5	92.3	91.7	91.5	91.2		
P.F. (%)	5.9	42.6	63.6	74.0	79.3	81.0	81.8	0.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1250	1765	1800
Current (Amps)	80.0	73.6	48.0	10.2	4.4
Torque (ft-lb)	62.0	47.0	88.0	29.8	0.00

## Information Block

HP	10.0			
Sync. RPM	1800			
Frame	215			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	48 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T10704024 NONE			
Sound Pressure @ 1M	69 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	169550.60ME			
Conn. Diag	5102.01			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



## Speed -Torque Curve

