

Performance Curve



ITEM # **20CL68-PC**

DAYTON ELECTRIC MFG.CO

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer DAYTON

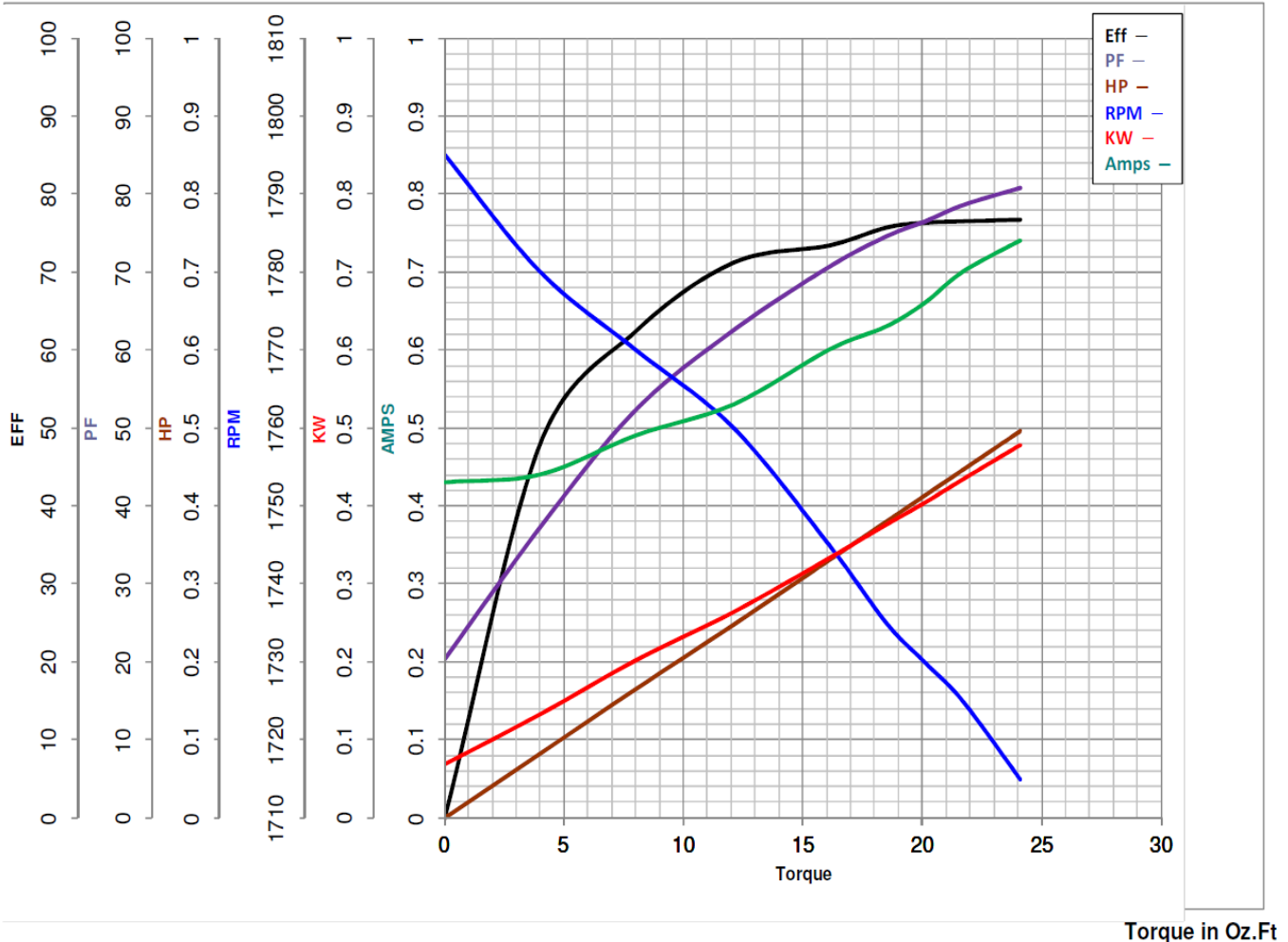
Curve at 460 Volts HP 0.33&0.33 PHASE 3

Model No 20CL68

60 HZ
0.33 HP
VOLTS 208-230/460&190/380

Catalog No :

HZ 60&50 RPM 1725&1425



Torque in Oz.Ft

FL TORQUE 16.1 Oz.Ft

FL AMPS 0.6

BD TORQUE 77.6 Oz.Ft

PU TORQUE 64.3 Oz.Ft

LR TORQUE 70.7 Oz.Ft

LR AMPS 4.5

WINDING TE484125-3

Prepared By Vidya

Date 5/21/2014

DRAWING NO. PAGE 1 of 2

20CL68-PC

REV.

Performance Curve



ITEM # 20CL68-PC

Model No 20CL68

HP 0.33

VOLTS 115/208-230

Phase 3

HZ 60

RPM 1725

➤ Load Curve @ 60 Hz, 460 Volts, 1/3 Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0	0.43	0.069	1795	0	0	20.4	0	-
0.25	0.44	0.133	1780	4	48	37.3	0	-
0.5	0.49	0.202	1770	8	62.4	52.3	0	-
0.75	0.53	0.264	1760	12.1	71.2	62.5	0	-
1	0.6	0.333	1745	16.1	73.4	70.6	25	-
1.15	0.63	0.376	1735	18.5	75.7	74.5	0	-
1.25	0.66	0.404	1730	20.1	76.3	76.4	0	-
1.35	0.7	0.434	1725	21.7	76.5	78.5	40	-
1.5	0.74	0.478	1715	24.1	76.7	80.7	0	-

SOURCE: DATABASE GROUP: 0

➤ Speed Torque Curve @ 60 Hz, 460 Volts

Curve Point	Amps	Amps(%)	Torque	Torque(%)	RPM	KW	PF	HP
FL	0.6	100	16.1	100	1745	0.333	70.6	0.33
BD	2.1	350	77.6	482	1440	1.5	89.9	0.33
PU	4.24	707	64.3	399	0	-	-	0.33
LR	4.47	745	70.7	439	0	-	-	0.33

SOURCE: CALCULATED GROUP: 0