# Base Load Power Hub (BLPH)

## ELECTRIC MOTOR PERFORMANCE DATA
## For Sea Water Lift Progressive Cavity Pumps (P-50001 A/B)

Document Number: 1724000936-MAC-DS-00016

Document Class: 2

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| 01 | 18/07/2024 | Approved for Construction (AFC) | APD | GLL | AHN |
| 00 | 24/06/2024 | Issue for Review (IFR) | APD | GLL | AHN |
| Rev. | Date | Description | Prepared | Reviewed | Approved |

PCM | keep it moving

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## Revision / Change Log

| Rev. | Description |
|---|---|
| 00 | Issue for Review (IFR) |
| 01 | Approved for Construction (AFC) |
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## HOLDS LIST

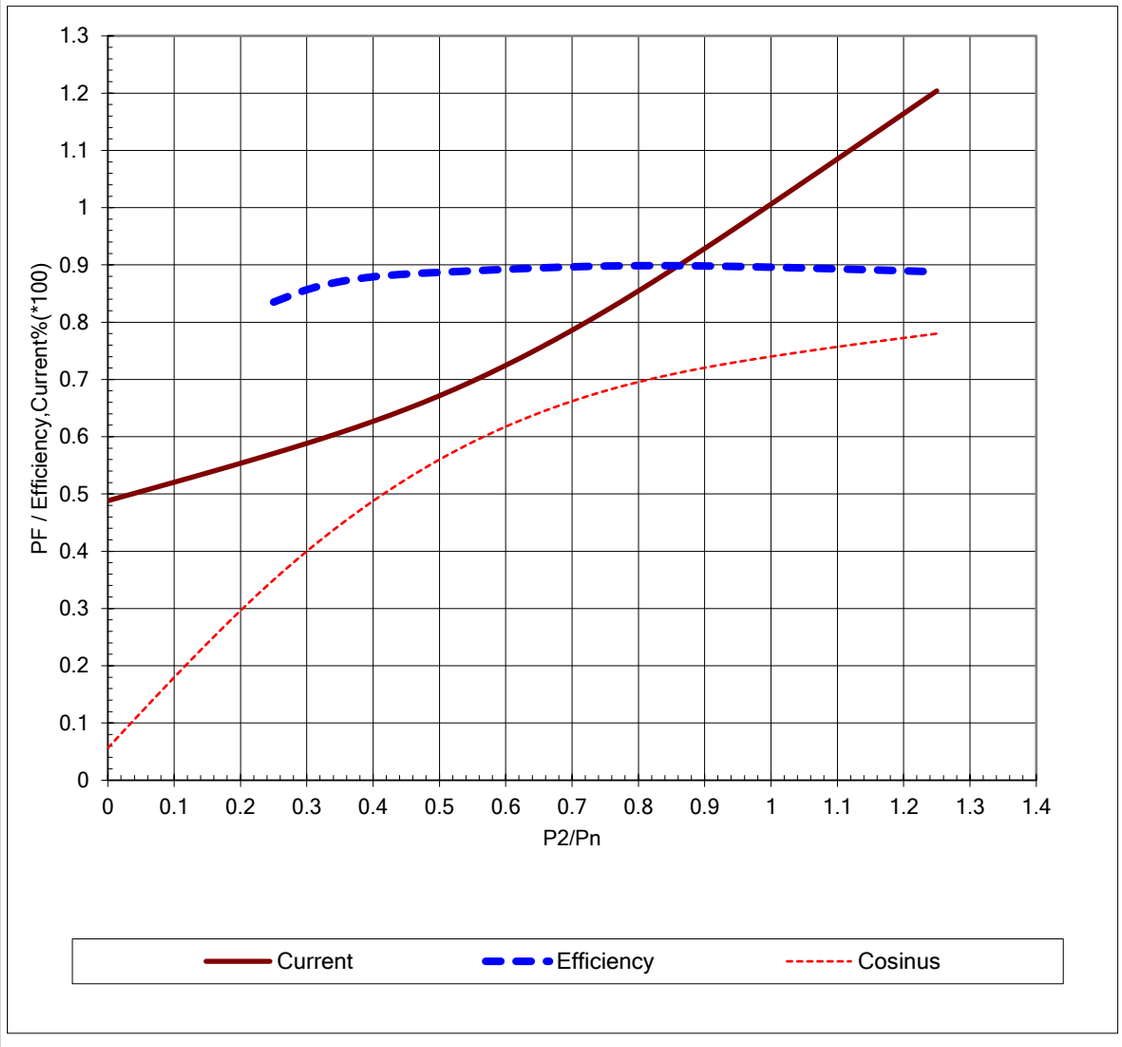
| No. | Description |
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| IEC LV Motors | Load Curves | | | |
|---|---|---|---|---|
| | Project | | Location | |
| | HOLLANDSE KUST NOORD WIND PARK Project | | Netherlands | |
| Department/Author | Customer name | | Customer ref | Item name |
| Rakesh Purushohama | PCM | | GIAN-392481 | PM-5001A/B |
| Our ref. | Rev/Changed by | Date of issue | Saving ident | Pages |
| CQ813220 | C | 07/06/2024 | cq813220.xlsm | 3(4) |

| | | | |
|---|---|---|---|
| Product | TEFC, 3-phase, squirrel cage induction motor | | |
| Type/Frame | M3BP 132SMF 4 | Calc. ref. | 3GZF021013-1094 |
| Product code | 3GBP 132 260-BDK | | |
| Rated output $P_N$ | 5.5 kW | | |
| Type of duty | S1(IEC) 100% | | |

| | | | | | |
|---|---|---|---|---|---|
| Voltage (V) | 400 | Current $I_N$ (A) | 11.9 | Power factor at $P_N$ | 0.74 |
| Frequency (Hz) | 50 | Speed (r/min) | 1463 | Efficiency (%) at $P_N$ | 89.6 |



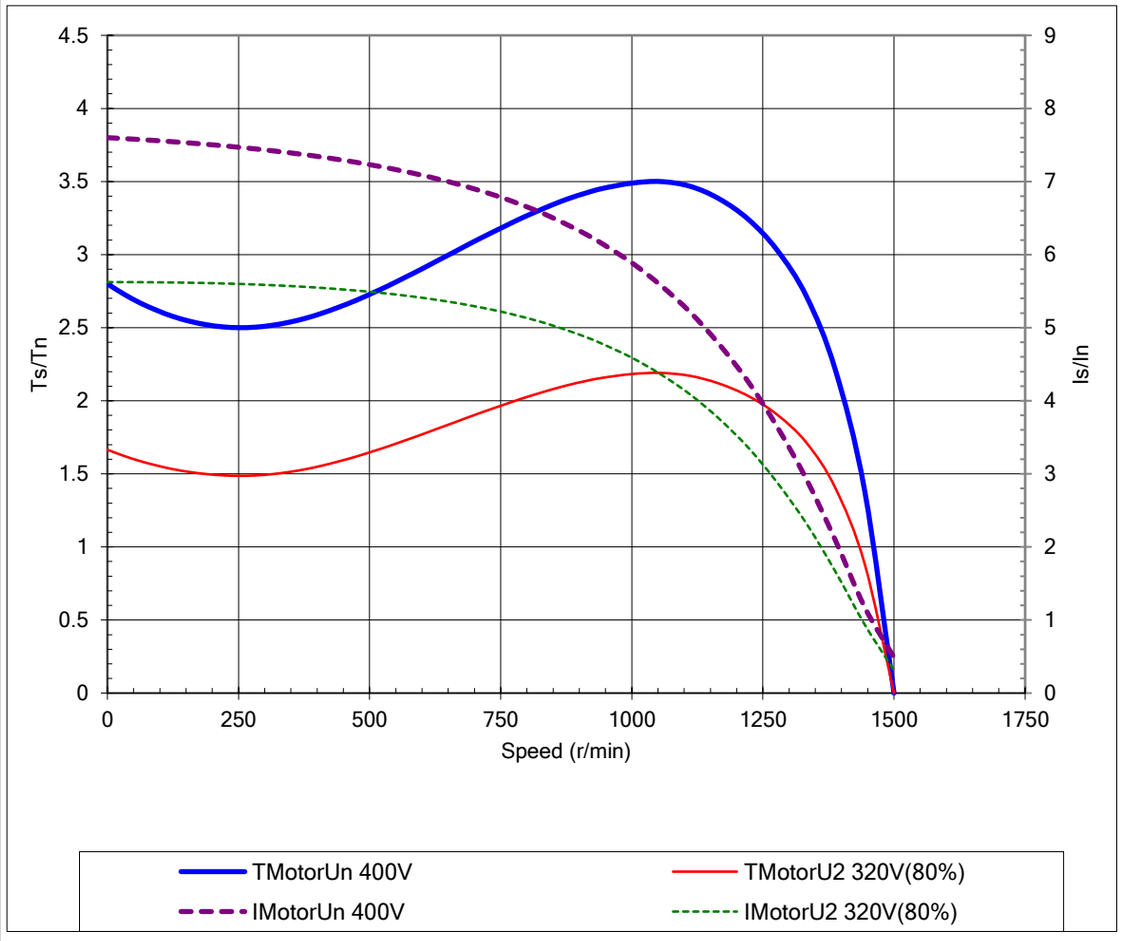

Load characteristics (IEC 60034-2-1:2014)
Data based on situation 3/7/2024

All data subject to tolerances in accordance with IEC

| IEC LV Motors | Starting Curves | | | |
|---|---|---|---|---|
| | Project | | Location | |
| | **HOLLANDSE KUST NOORD WIND PARK Project** | | **Netherlands** | |
| Department/Author | Customer name | | Customer ref | Item name |
| **Rakesh Purushohama** | **PCM** | | **GIAN-392481** | **PM-5001A/B** |
| Our ref. | Rev/Changed b | Date of issue | Saving ident | Pages |
| **CQ813220** | **C** | **07/06/2024** | **cq813220.xlsm** | **4(4)** |

| | | | | |
|---|---|---|---|---|
| Type of product | **TEFC, 3-phase, squirrel cage induction motor** | | | |
| Type/Frame | **M3BP 132SMF 4** | Calc. ref. | 3GZF021013-1094 | |
| Product code | **3GBP 132 260-BDK** | Frequency (Hz) | **50** | |
| Rated output $P_N$ | **5.5** kW | Rated current $I_N$ | **11.9** | A |
| Type of duty | **S1(IEC) 100%** | | | |

| | | | | | |
|---|---|---|---|---|---|
| $J_{motor}$ (kgm2) | **0.0295** | Voltage (V) 100% | ***400*** | Voltage (V) | ***320V(80%)*** |
| $J_{load}$ (kgm2) | | $T_{start}/T_N$ | ***2.8*** | $T_{start}/T_N$ | ***1.7*** |
| Speed (r/min) | **1463** | Starting time (s) | | Starting time (s) | |
| $T_N$ (Nm) | **36** | Speed (r/min) | | Speed (r/min) | |
| $T_{load}$ (Nm) | | $I_s/I_n$ | ***7.6*** | $I_s/I_n$ | ***5.6*** |
| | | $T_{max}/T_n$ | ***3.5*** | $T_{max}/T_n$ | ***2.2*** |




Load characteristics (IEC 60034-2-1:2014)
Data based on situation 3/7/2024

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