



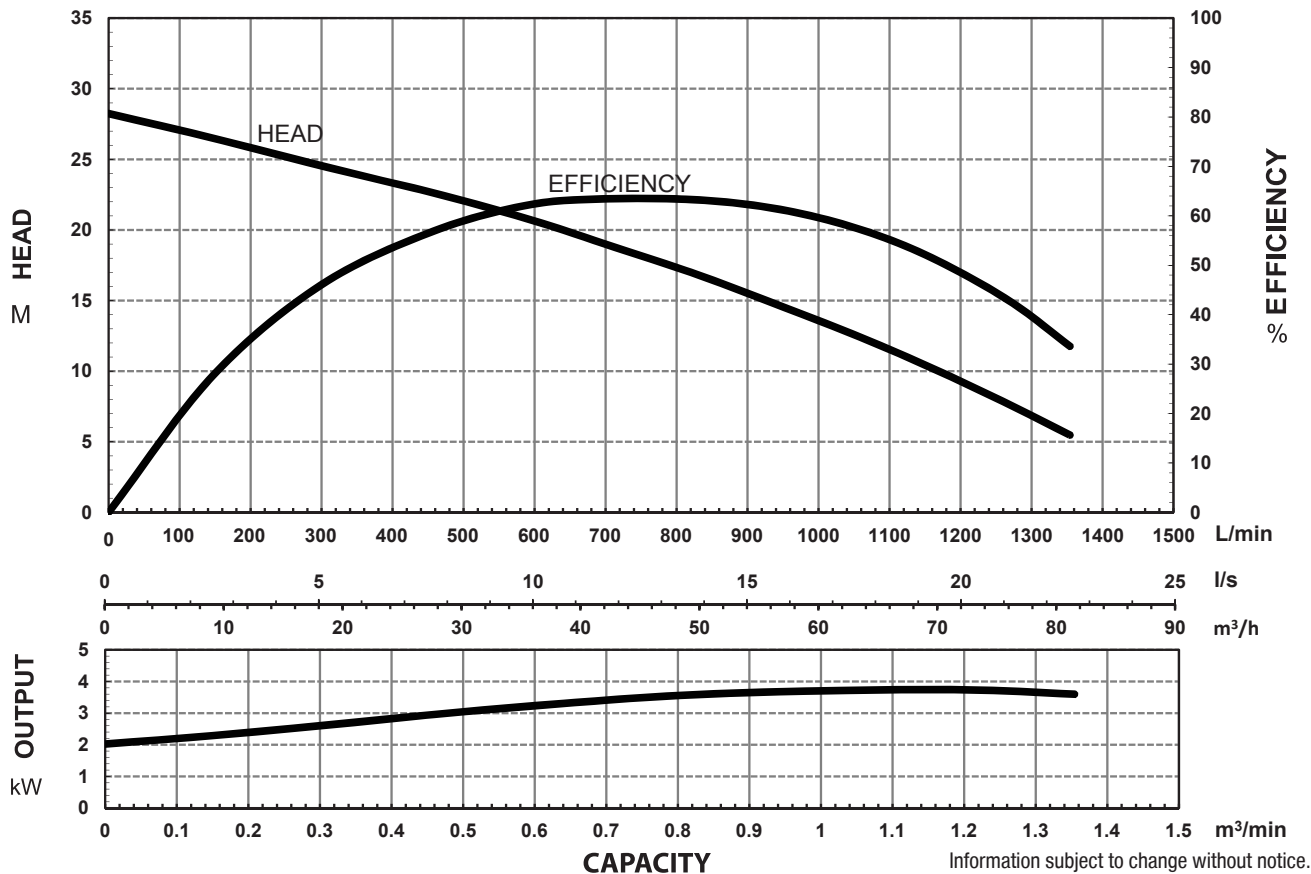
MODEL NUMBER STRUCTURE

| | |
|-------------|---|
| U | Ultraflow |
| M | 'M' indicates Manual, without floatswitch |
| D | 'D' indicates 'Drainage' series |
| N | 'N' indicates series |
| HF | 'HF' indicates higher flow |
| 3700 | Power consumption in 'Watts' |
| 80 | Outlet size |
| 3 | '3' indicates 415 volt three phase |

SPECIFICATIONS

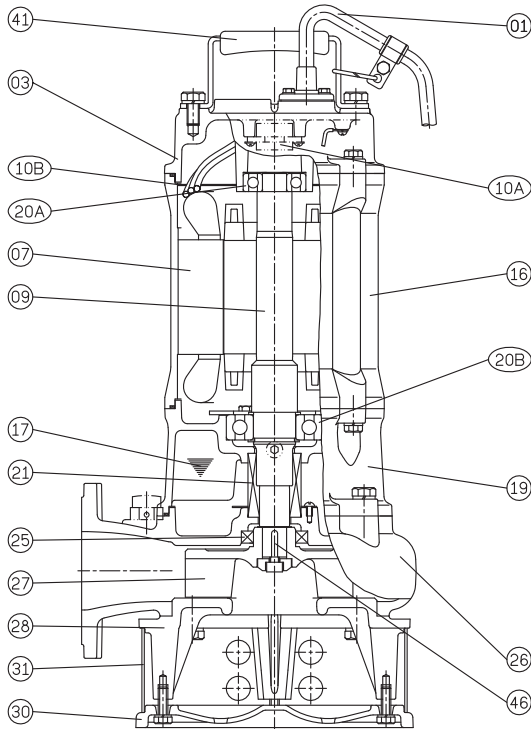
| | |
|----------------------------|---|
| Power | 3.7kW / 5.0HP |
| Frequency | 50Hz |
| Discharge | 80mm / 3 inch female BSP |
| Weight (Excl cable) | 49KG |
| Solid Passage | 20 mm |
| Phase | 3ø |
| Voltage | 415 |
| Full Load Amps | 7.7 |
| Maximum Liquid Temperature | 0-40° C |
| Maximum Submersion Depth | 30m (100 feet) |
| Motor type | Dry motor |
| Motor Speed | 2 Pole (2800 rpm) |
| Motor Insulation | Class F |
| Motor Protection | IP68 |
| Protector | Auto cut |
| Motor Bearings | Ball Type |
| Seal Method | Dual Mechanical seal Upper: Carbon/Ceramic Lower: Silicon/Silicon |
| Impeller Type | Semi-open |
| Motor Cover Construction | FC-200 Cast Iron |
| Motor Casing Construction | FC-200 Cast Iron |
| Motor Shaft Construction | 403 Stainless Steel |
| Pump Casing Construction | FC-200 Cast Iron |
| Impeller Construction | FC-200 Cast Iron |
| Strainer Construction | 304 Stainless Steel |
| Cable Material | H07RN-F |

PERFORMANCE CURVES



Information subject to change without notice.

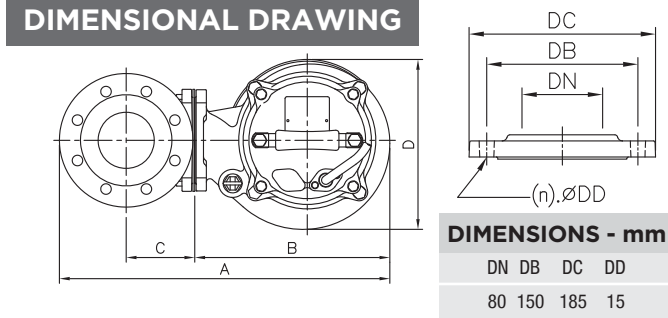
SECTIONAL DRAWING & MATERIALS LIST



| PART NUMBER | DESCRIPTION | MATERIAL |
|-------------|---|---|
| 01 | Cable | H07RN-F |
| 03 | Upper Motor Cap/ Bearing Housing | Cast Iron FC-200 |
| 07 | Motor Stator | |
| 09 | Shaft (With Rotor) | (Shaft) Stainless Steel 403 |
| 10A | Auto Cut Out Overload | |
| 10B | Auto Cut Out Overload Mounting Plate | |
| 16 | Motor Casing | FC-200 Cast Iron |
| 17 | Lubricant | Turbine Oil |
| 19 | Lower Bearing Housing | Cast Iron FC-200 |
| 20A | Upper Bearing | |
| 20B | Lower Bearing | |
| 21 | Mechanical Seal | Upper: Carbon/Ceramic Lower: Silicon/Silicon |
| 25 | Oil Seal | Nitrile |
| 26 | Pump Casing | Cast Iron FC-200 |
| 27 | Impeller | Cast Iron FC-200 |
| 28 | Suction Cover | Cast Iron FC-200 |
| 30 | Pump Base Plate | Cast Iron FC-200 |
| 31 | Strainer | 304 Stainless Steel |
| 41 | Handle | 304 Stainless Steel |
| 46 | Impeller Key | 304 Stainless Steel |
| 47 | O'rings | |
| 55 | Oil Plug | 304 Stainless Steel |

When ordering spare parts as above, simply add the pump model number to the part number from the list above. For example, a power lead (part '01'), the complete spare part name would be written as '01-UMDNHF3700/80/3'.

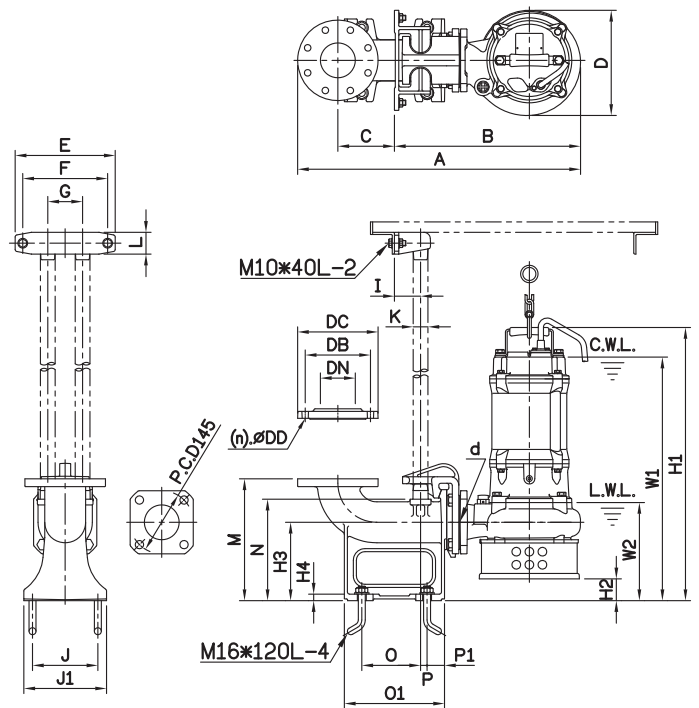
DIMENSIONAL DRAWING



DIMENSIONS - mm

| | | | |
|----|-----|-----|----|
| DN | DB | DC | DD |
| 80 | 150 | 185 | 15 |

GUIDE RAIL SYSTEM DIMENSIONS USING GR80 GUIDE RAIL KIT



DIMENSIONS - UMDNHF3700/80/3

| | | | | | | | | | |
|----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| d | A | B | C | D | E | F | G | H | I |
| 80 | 470 | 278 | 98 | 242 | 250 | 176 | 510 | 578 | 130 |

DIMENSIONS - UMDNHF3700/80/3

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|----|-----|-----|-----|-----|----|----|-----|-----|-----|----|-----|----|
| d | A | B | C | D | E | F | G | I | J | J1 | K | L | M | N | O | O1 | P | P1 | W1 | W2 | H1 | H2 | H3 | H4 |
| 80 | 653 | 430 | 130 | 242 | 230 | 195 | 80 | 60 | 150 | 190 | 32 | 50 | 280 | 233 | 135 | 230 | 15 | 40 | 560 | 226 | 628 | 50 | 180 | 15 |

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