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Untitled project 2022-12-22 09:21:33.240

Pos.no	Description	Item no.	Quant.	UP / EUR	TP / EUR
1	Submersible pump				
1.1	<p>Centrifugal pump: ZUG OC150F 30/4AW 305PA BB 10 400 Y5 NN NN A431 GG25 GG25 N 200 NB A270 N N STD 0 40 0</p> <p>Series: UNIQA - ZUG Type: ZUG OC150F 30/4AW 305PA Version: BB 10 400 Y5 NN NN Variant: A431 GG25 GG25 N 200 NB A270 N N STD 0 40 0</p> <p>HYDRAULIC Free passage: 80.00 mm Impeller type: Open channel impeller Nominal impeller size: 305.0 mm Max. hydraulic efficiency: 78.6 % Discharge: DN 150 Suction: DN 200 Drilling variant: PA Flushing valve - drilling: -</p> <p>MOTOR Rated voltage: 400 V Frequency: 50 Hz Motor phases: 3 N. of poles: 4 Rpm: 1470 rpm Rated Power P2: 30.00 kW Incoming power P1: 32.05 kW Rated current: 55.7 A Power factor: 0.83 Efficiency: 93.6 % Motor efficiency class ref: IE3 Degreee of protection: IP 68 Insulation class: H Start: Star-delta</p> <p>OPERATING LIMITS Max. ambient temperature: 40 °C pH treated liquid: 6 ÷ 14 Max. density treated liquid: 1100 kg/m³ Max. immersion depth: 20 m Max. start/hour: 15 V Max. acoustic pressure level: < 70 dB Wet/Dry use: WET Operating mode: S1 - Continuous use</p>	1		Price on req.	Price on req.
				Total Price	Price on req.



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Data sheet

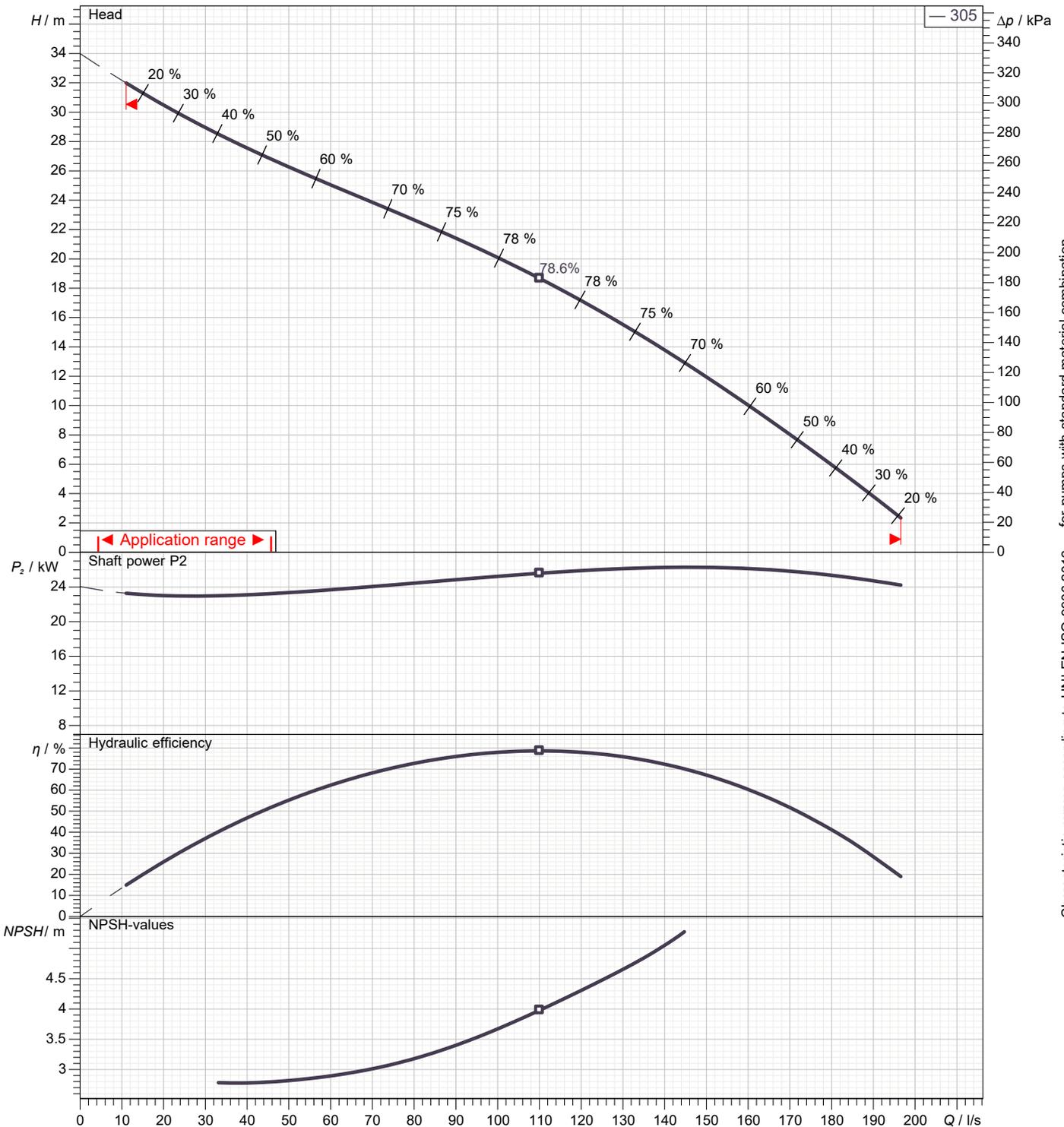
ZUG OC150F 30/4AW 305



Pump performance curves

3 ~ 50 Hz

Impeller type Open channel impeller		Nominal impeller size 305.0 mm		Free passage 80 mm		Data version 01-06-2014	
Density 998.3 kg/m ³	Viscosity 1.005 mm ² /s	No. of vanes 2	Discharge DN 150	Suction DN 200			
DUTY POINT							
Flow	Head	Shaft power P2	Power input P1	Hydraulic efficiency	Total efficiency	NPSH	



Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination

P2 < 10kW: paragraph 4.4.2
10kW < P2 < 100kW: Grade 3B
P2 > 100kW: Grade 2B



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Data sheet

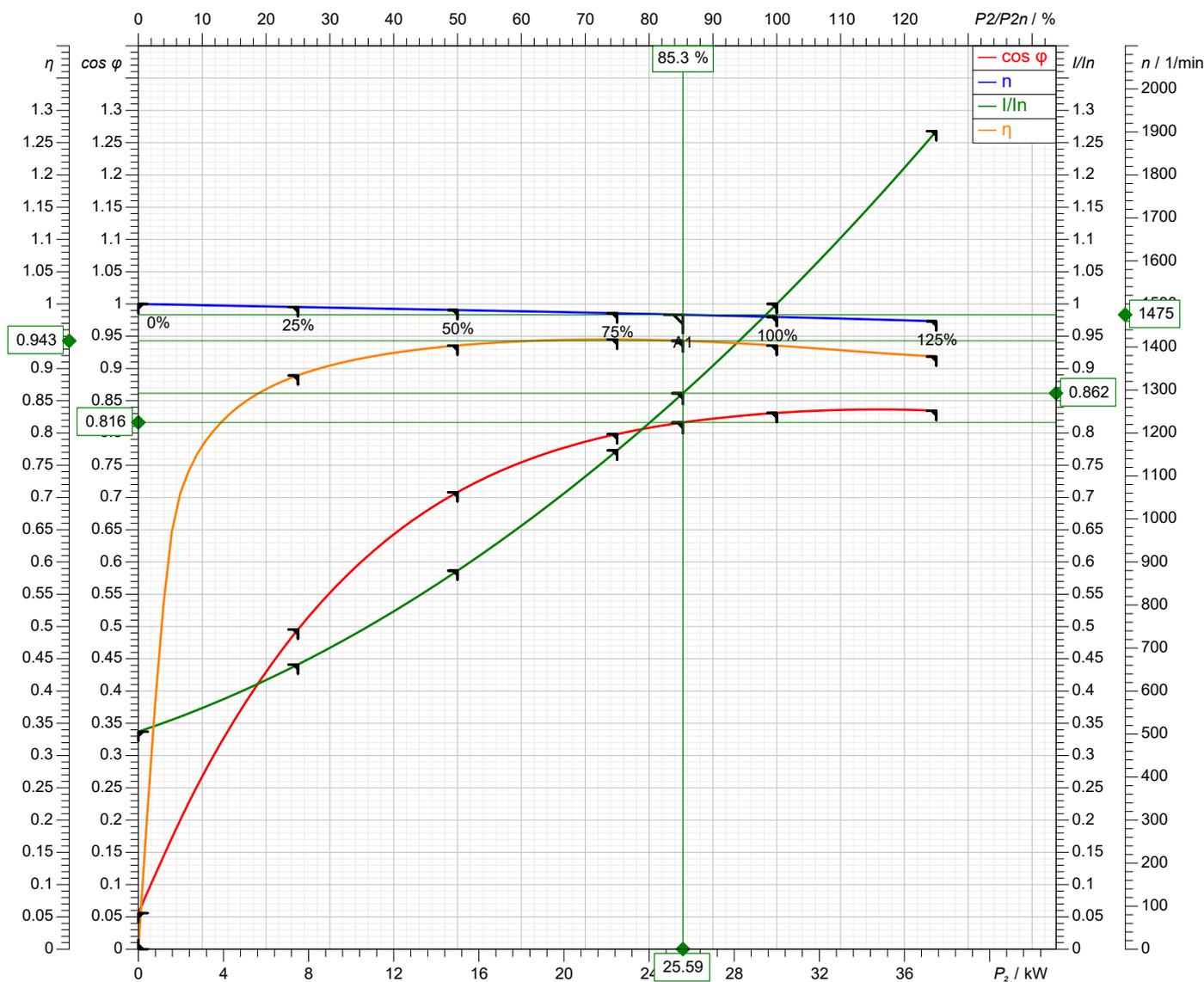
ZUG OC150F 30/4AW 305



Motor performance curves

3 ~ 50 Hz

Motor 30/4 AW	Rated power 30.0 kW	Rated voltage 400 V	Motor efficiency 93.6 %
Number of poles 4	Nominal Speed 1470 1/min	Rated current 55.7 A	cos φ 0.83
Starting current 120.7 A	Start Star-delta	Rated torque 194.9 Nm	



Symbol	No load	25 %	50 %	75 %	100 %	125 %
P_2 / kW	0	7.5	15	22.5	30	37.5
P_i / kW	0.7284	8.433	16.03	23.81	32.07	40.82
n / 1/min	1500	1493	1486	1478	1470	1460
$\cos \phi$	0.05602	0.4954	0.7082	0.7983	0.8311	0.8343
I / A	18.77	24.57	32.67	43.05	55.7	70.63
s / %	0	0.4797	0.9472	1.446	2.014	2.68
M / Nm	0	47.98	96.41	145.3	194.9	245.3
η / %	0	88.93	93.56	94.49	93.54	91.86

Tolerances according to EN 60034-1

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All data shown are not binding. Zenit reserves the right to change data and dimensions without notice.

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Data sheet

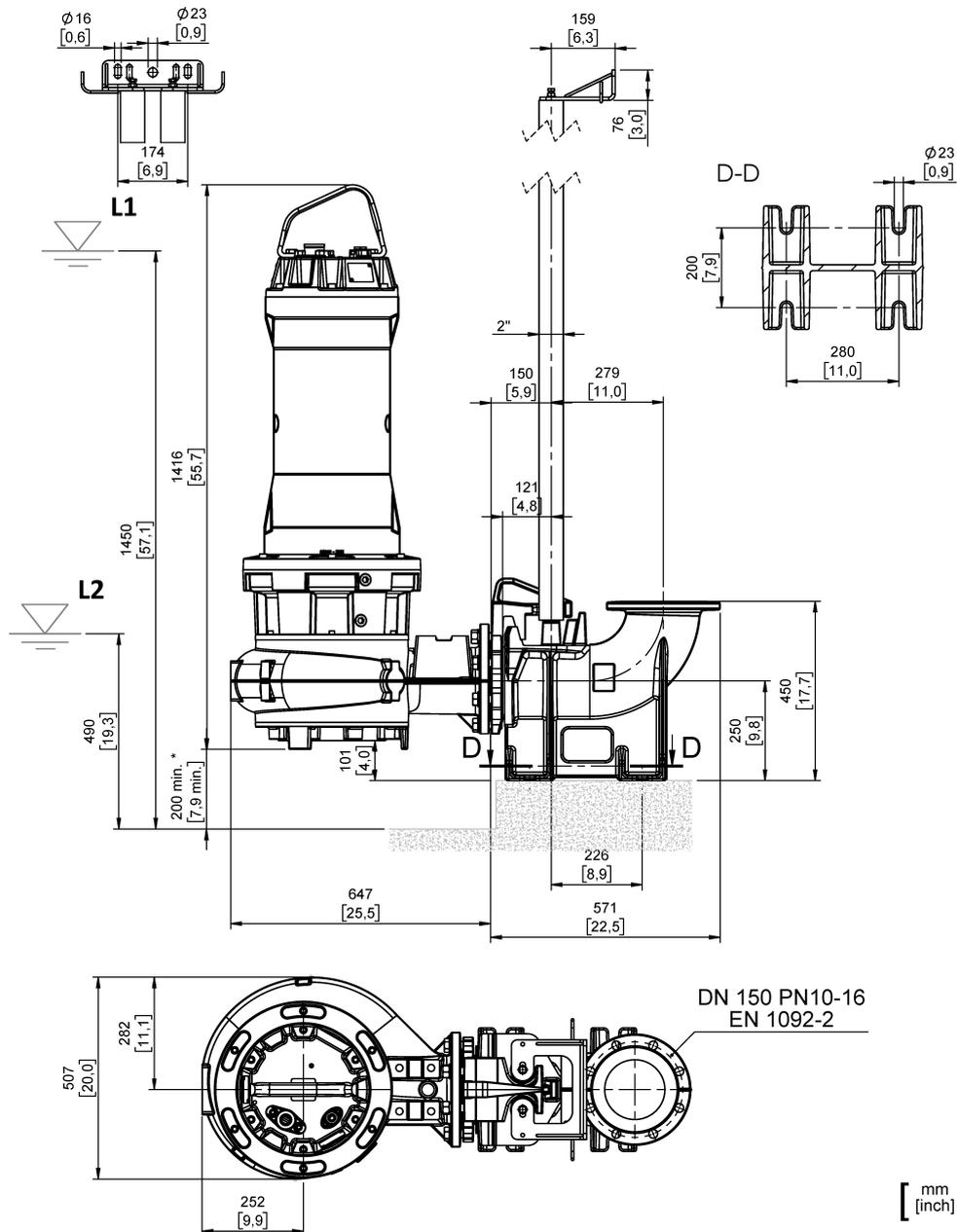
ZUG OC150F 30/4AW 305



Dimensional drawing

3 ~ 50 Hz

Installation type P: bottom coupling device - vertical discharge DN150 - guide pipes 2"		
Wet/dry use WET	Drilling variant PA	Flushing valve - drilling -
Discharge DN 150 EN 1092-2	Suction DN 200 UNDRILLED	Pressure rating (suction/discharge): -/PN 10
Accessory DAC-R 150/150V+KAF 116-2"[AZ] EN (P)	Accessory code 9001.102	Accessory variant Cast iron coupling device - galvanized steel pipes spacer
DAC-R 150/150V+KAF 116-2"[XX] EN (P)	9001.156	Cast iron coupling device - stainless steel pipes spacer
Note: Accessory must be ordered separately		



The minimum indicated levels do not prevent the formation of vortices and/or cavitation

L1: Minimum operating level for continuous use

* clearance from bottom suggested

L2: Minimum operating level for discontinuous use (excluding -EX/FM models)