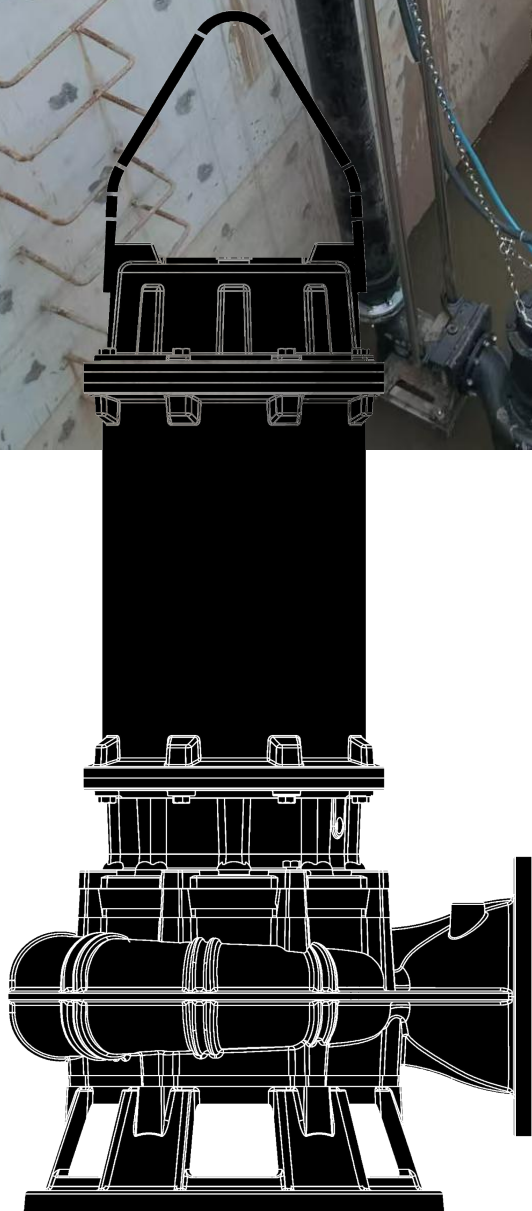




Heavy-duty ,Excellent Durability and Reliability- safeland quality

WQ SERIES



WQ

Drainage pump
sewage submersible pump
channel impeller series
DN50-DN600
0.75KW-315KW





WQ Sewage Wastewater Submersible

FEATURES:

Pump body is made of cast iron and with high solids epoxy coating which offers the highest quality and performance.

Triangular handle is designed for easy handling on Guide Rail System (model above 5HP).

Chemically protected Viton O-rings to handle acidic and corrosive fluids.

Oil Elevation Disk design in the oil chamber to ensure the mechanical seals lubrication and to extend the service life of pump.

APPLICATIONS:

Residential buildings, hospitals, commercial buildings and household usages.
Livestock farming, pig farming, dairy farming and sewage treatment

Food industry, pulp and paper industry, mining, dyeing and finishing factory, leather factory, steel manufacturer, electronics industry and wastewater treatment

SPECIFICATIONS

	Item	Description
Limits of Use	Liquid Temp.	0~40℃ (32~104° F) (60℃~90° °C special order)
	Applications	Wastewater • Sewage • Industrial Wastewater
Type	Frequency	50Hz
	Motor	2P (3000rpm)/4P (1500rpm) • Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut (0.5HP 30~10HP) • MTS & MS (15~420HP)
	Bearing	Ball type
	M. seal	Double M. seals (alloy to silicon)
	Impeller	channel
	Cable	VCT or H07RN-F
Optional	Pump can be customized to fit specifications	

WQ Sewage Wastewater Submersible Pump

PRODUCT



FEATURES

Epoxy Cable Base

An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.



Heavy duty bearing
from 3Kw use 3pcs heavy duty bearing



Auto-cut motor protector
Auto-cut thermal protector the Auto-cut protector will be activated and cut the power off automatically if motor run in abnormal electric and excess



Mechanical Seal
A double mechanical seal consists of two seals arranged in a series. Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.



Motor Thermal Sensor(MTS)

MTS is a bimetal type motor protector, which is embedded in each phase of stator winding. When overheat is detected, the sensor (in winding) will trip and the relay switch (in control box) will cut off the power supply of pump. (MTS is a regular component of pump, 15HP and above).

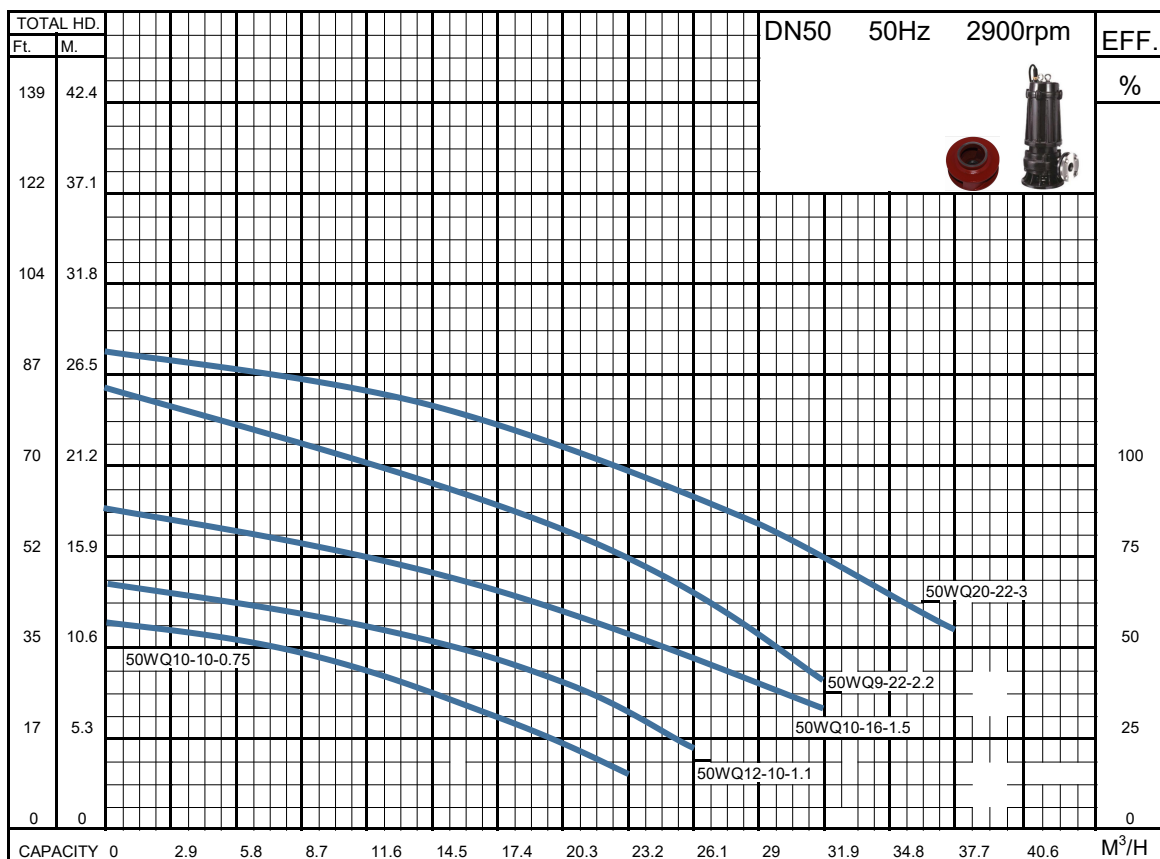
Bearing Temperature Sensor(BTS)

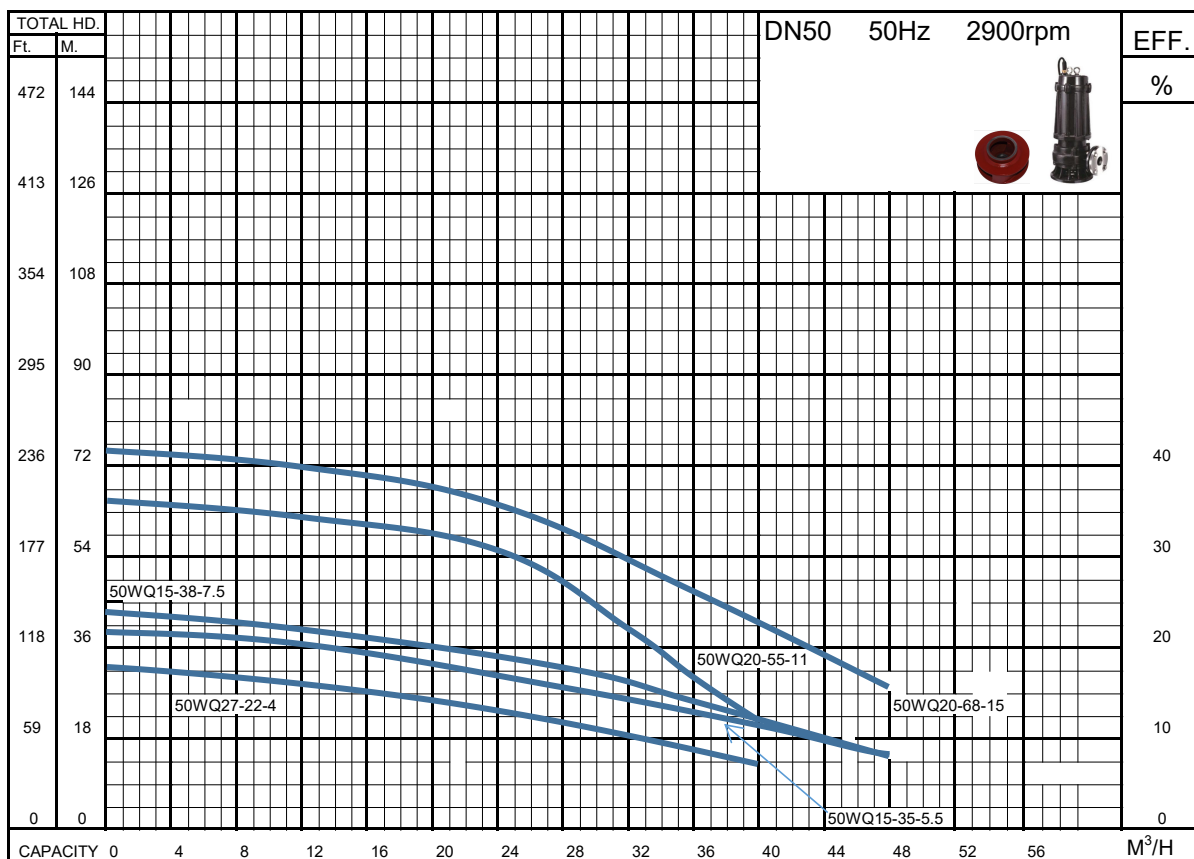
The BTS is a temperature sensor which is installed in the stationary of bearing. The BTS has to be connected to Indicator of temperature control in control box. When the bearing temperature exceeds the pre-setting temperature of Indicator of temperature control, the relay switch will cut off the power supply of pump. (BTS is an optional component of pump model).

Moisture Sensor(MS)

MS is an electrode sensor of water intrusion in all chamber. When water leakage is detected, the relay switch (in control box) will cut off the power supply of pump. (MS is a regular component of pump, 15HP and above). Thus, the damaged mechanical seal and lubricant can be replaced before water leakage occurs in motor housing. (MS is a regular component of pump, 15HP and above).

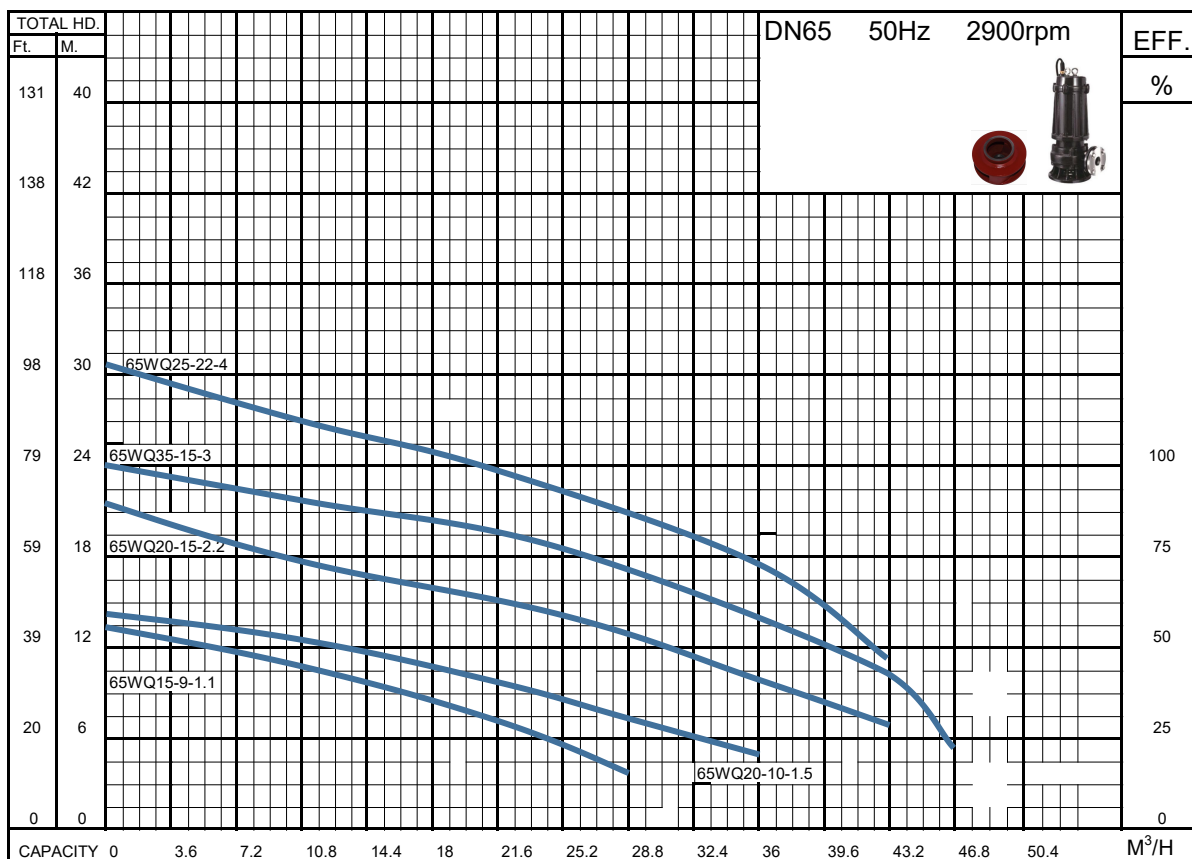


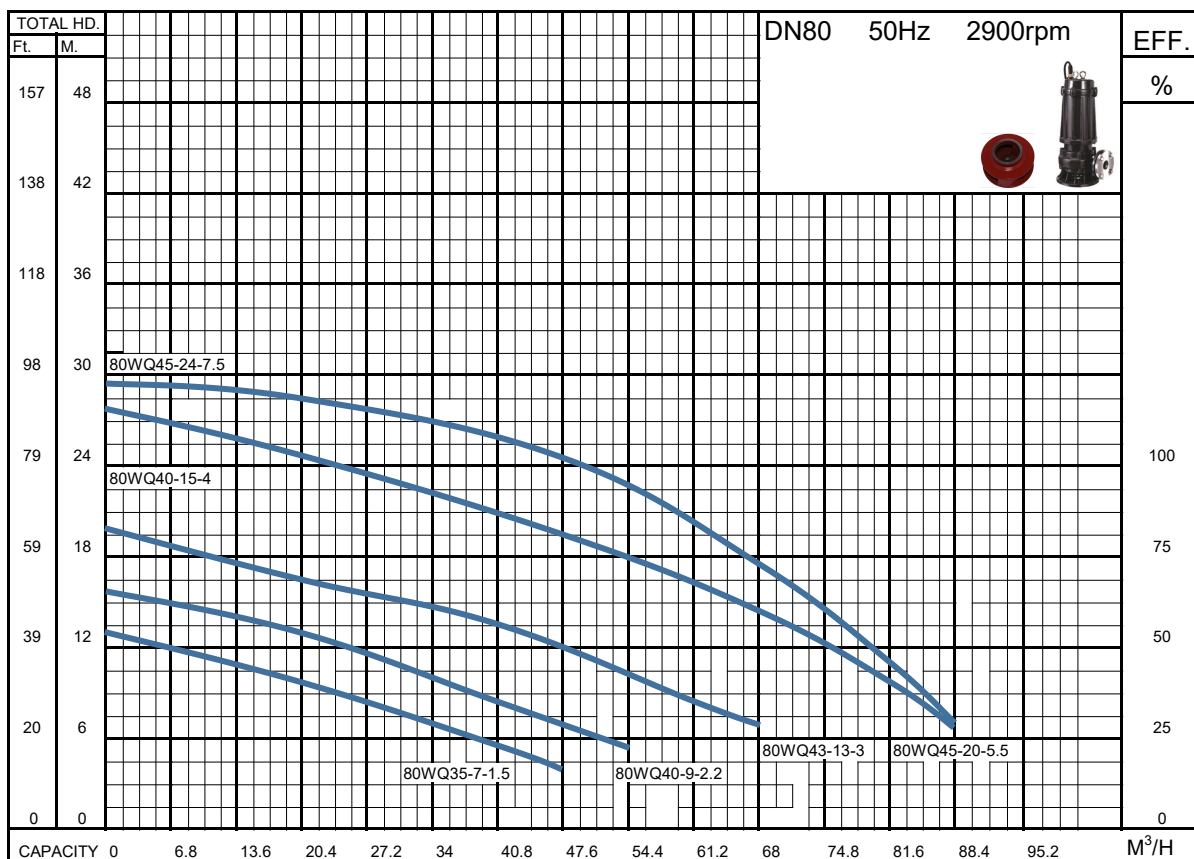
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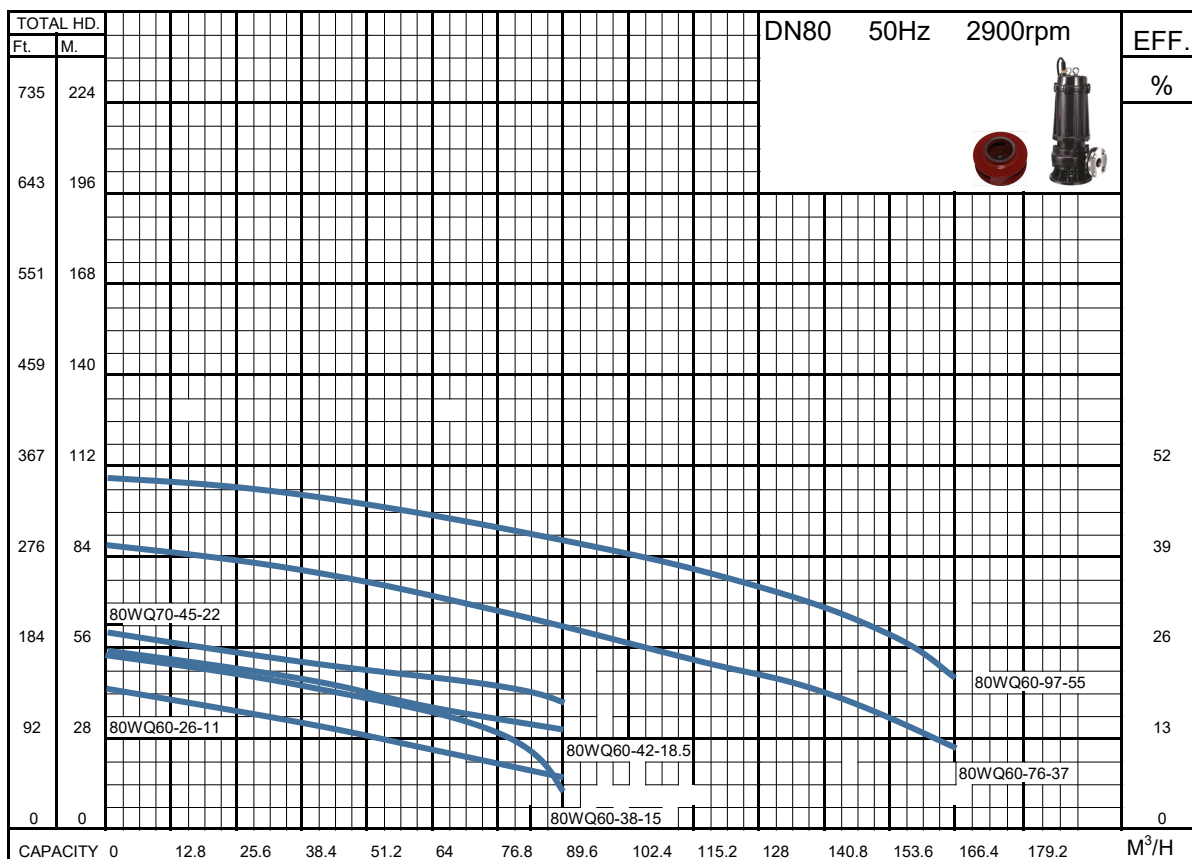


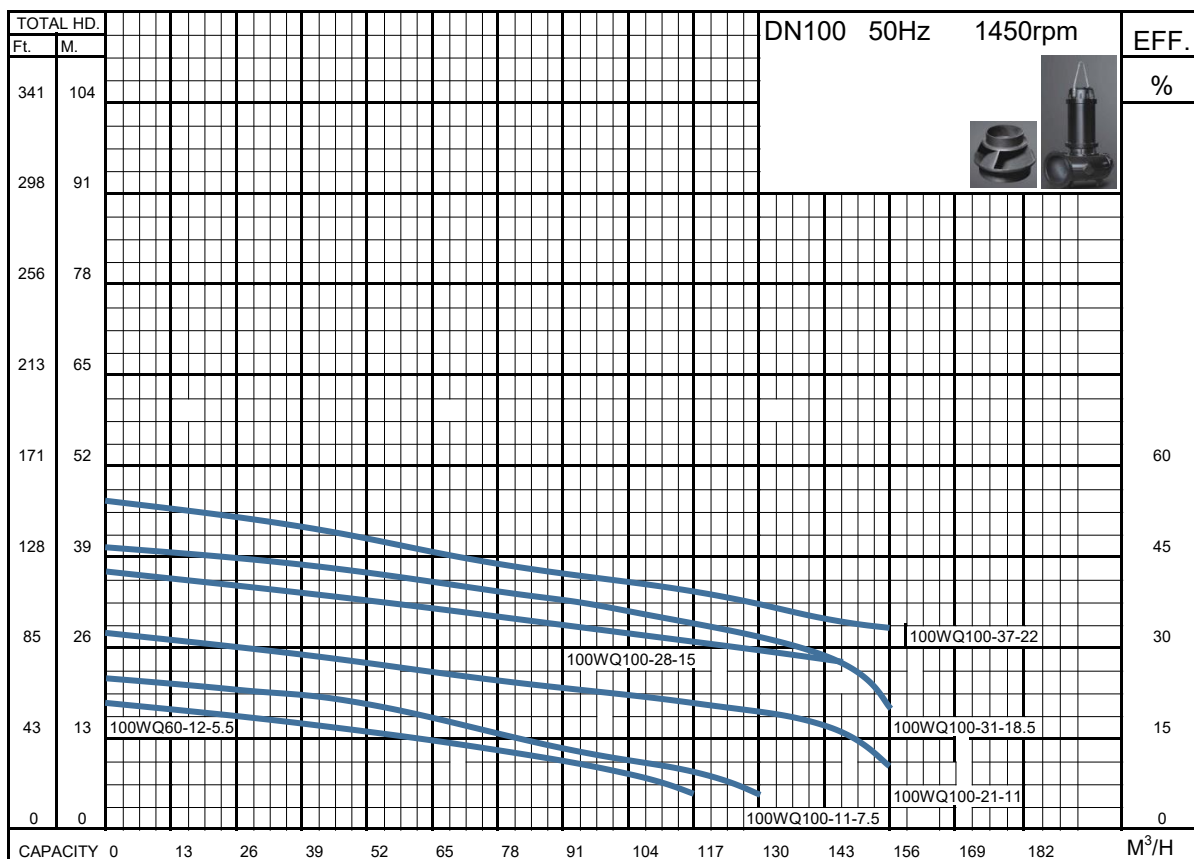
Model	Motor power		Q(M ³ /H)																
50Hz	KW	HP	Q(L/min)																
50WQ27-22-4	4	5.5	0	66.67	133.3	200	266.7	333.3	400	466.7	533.3	600	666.7	733.3	800	866.7	933.3		
50WQ15-35-5.5	5.5	7.5	33.4	32.3	28.9	28.1	27.9	25.4	24.1	22.0	19.0	16.5	14.1						
50WQ15-38-7.5	7.5	10	40.3	39.5	37.6	36.1	34.0	32.2	31.8	28.4	26.0	22.2	23.1	20.4	15.0				
50WQ20-55-11	11	55	43.7	42.4	40.0	38.9	38.4	35.0	32.5	31.3	28.5	26.0	22.3	20.6	14.3				
50WQ20-68-15	15	20	64.7	64.0	63.3	62.7	60.5	56.5	54.3	47.0	38.9	31.5	20.1						
			75.6	75.1	73.0	72.0	70.2	67.6	64.0	62.5	54.0	47.5	47.0	38.3	27.2				

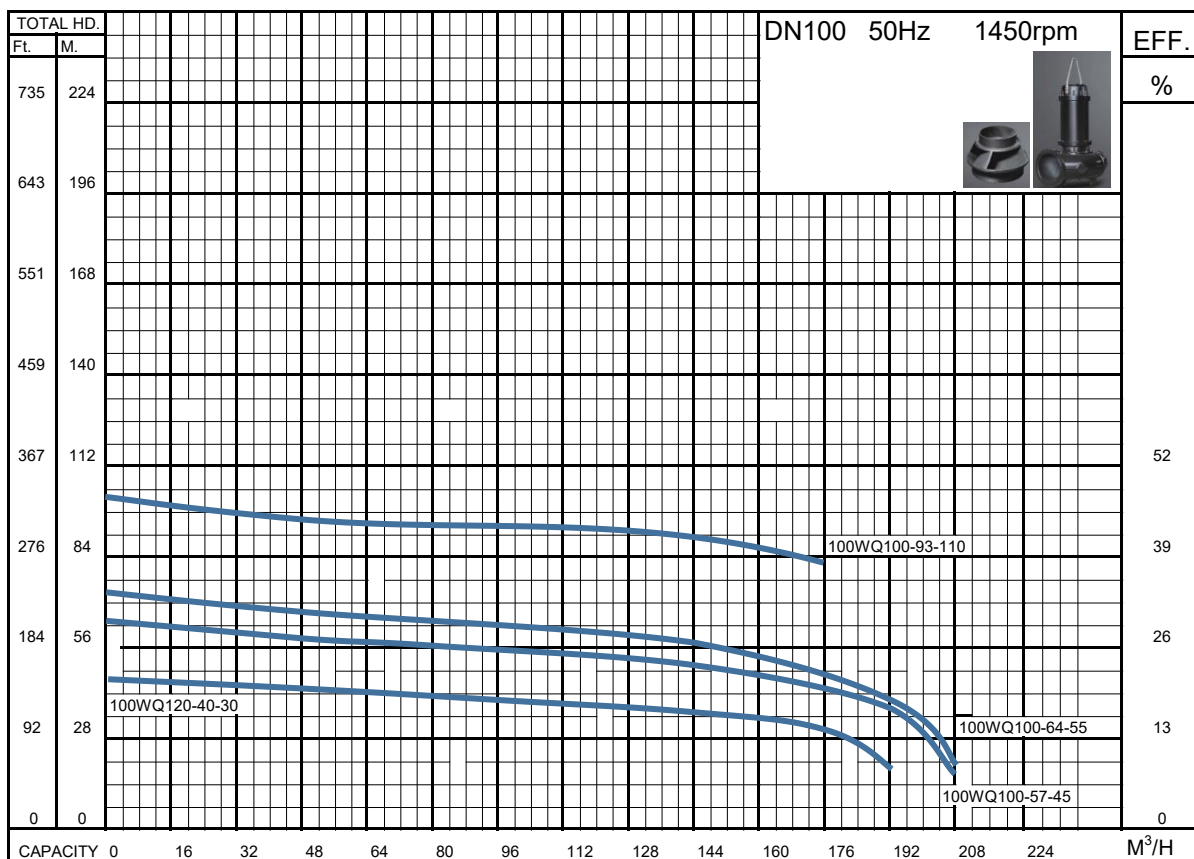
Model	VOLT AGE	Curre nt	Motor power		speed	Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm pole	inch	m ³ /h	m	m ³ /h	m	mm	KG
50WQ27-22-4	380V	8.98	4	5.5	2900 2	2"	27	22	42.11	33.4	20	
50WQ15-35-5.5	380V	11.7	5.5	7.5	2900 2	2"	15	35	50.03	40.3	20	
50WQ15-38-7.5	380V	15.6	7.5	10	2900 2	2"	15	38	48.42	43.7	20	
50WQ20-55-11	380V	23.0	11	55	2900 2	2"	20	55	42.14	64.7	20	
50WQ20-68-15	380V	30.6	15	20	2900 2	2"	20	68	49.41	75.6	20	

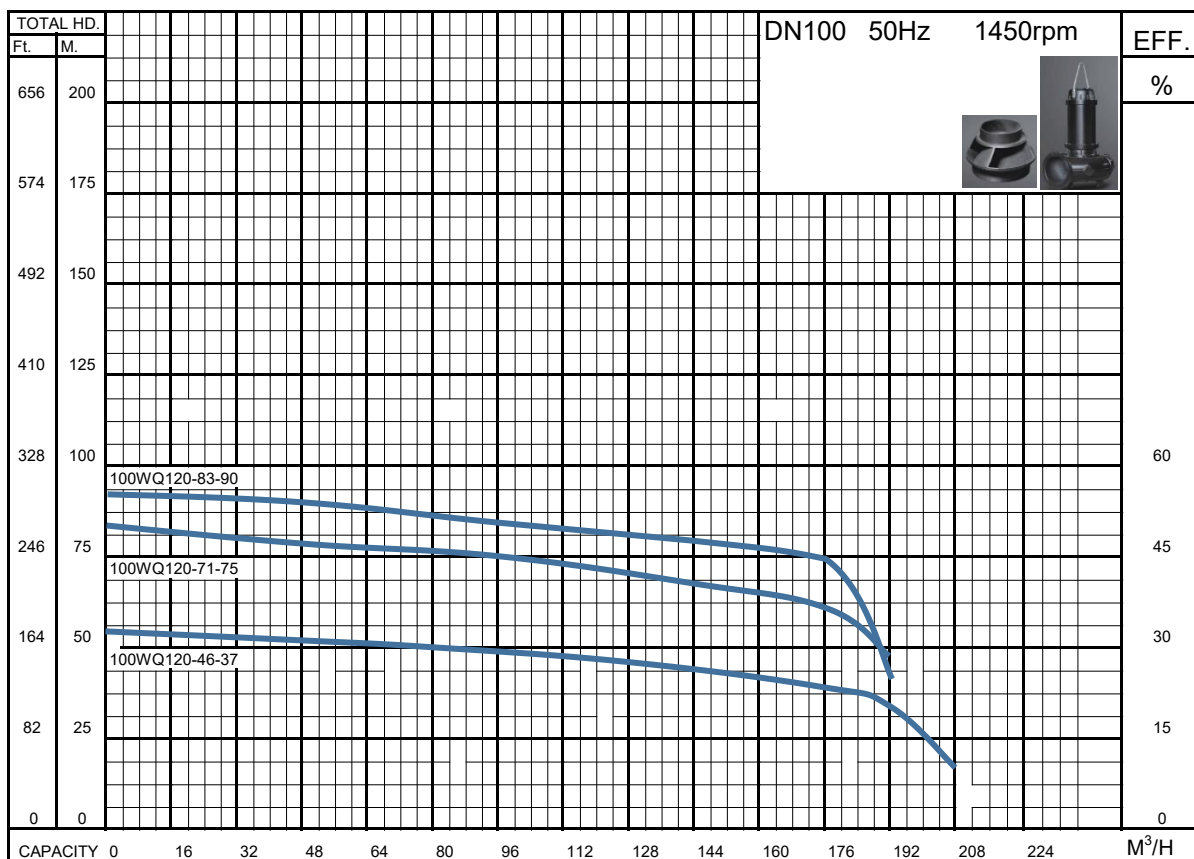
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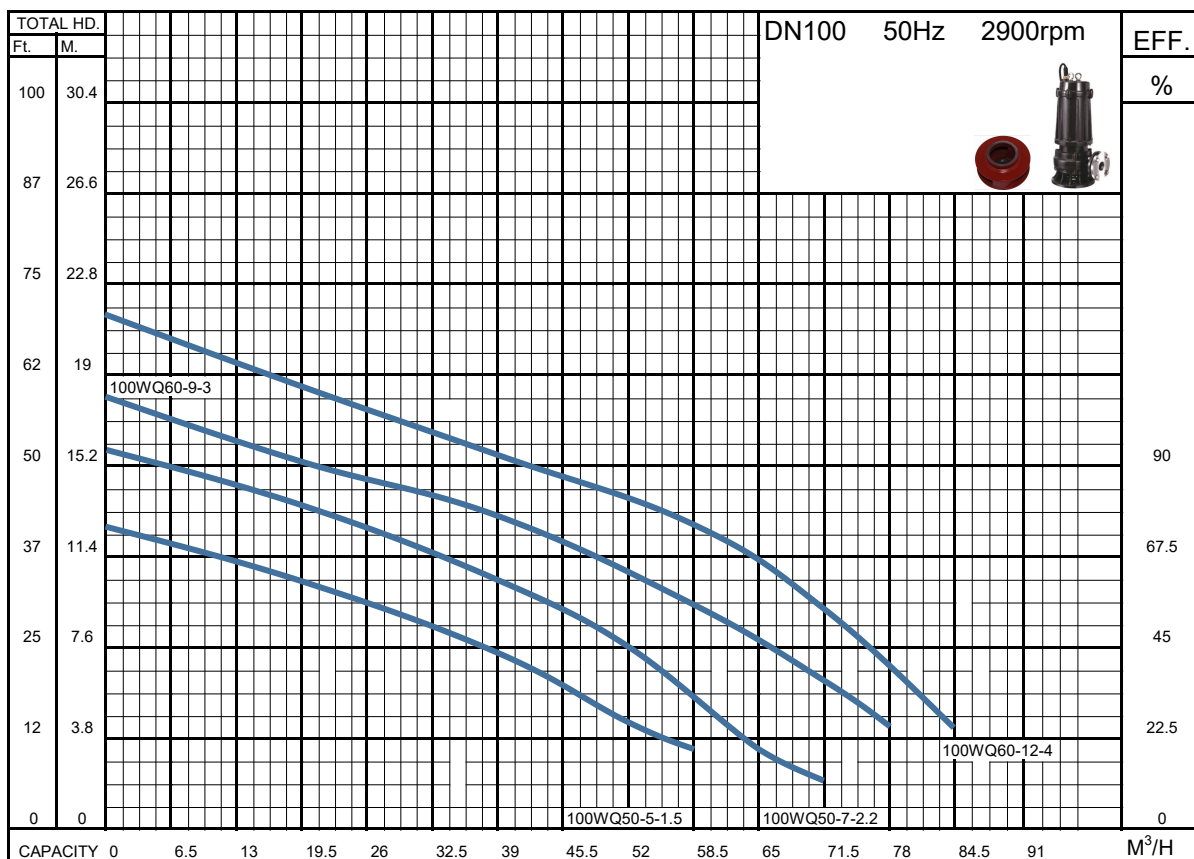
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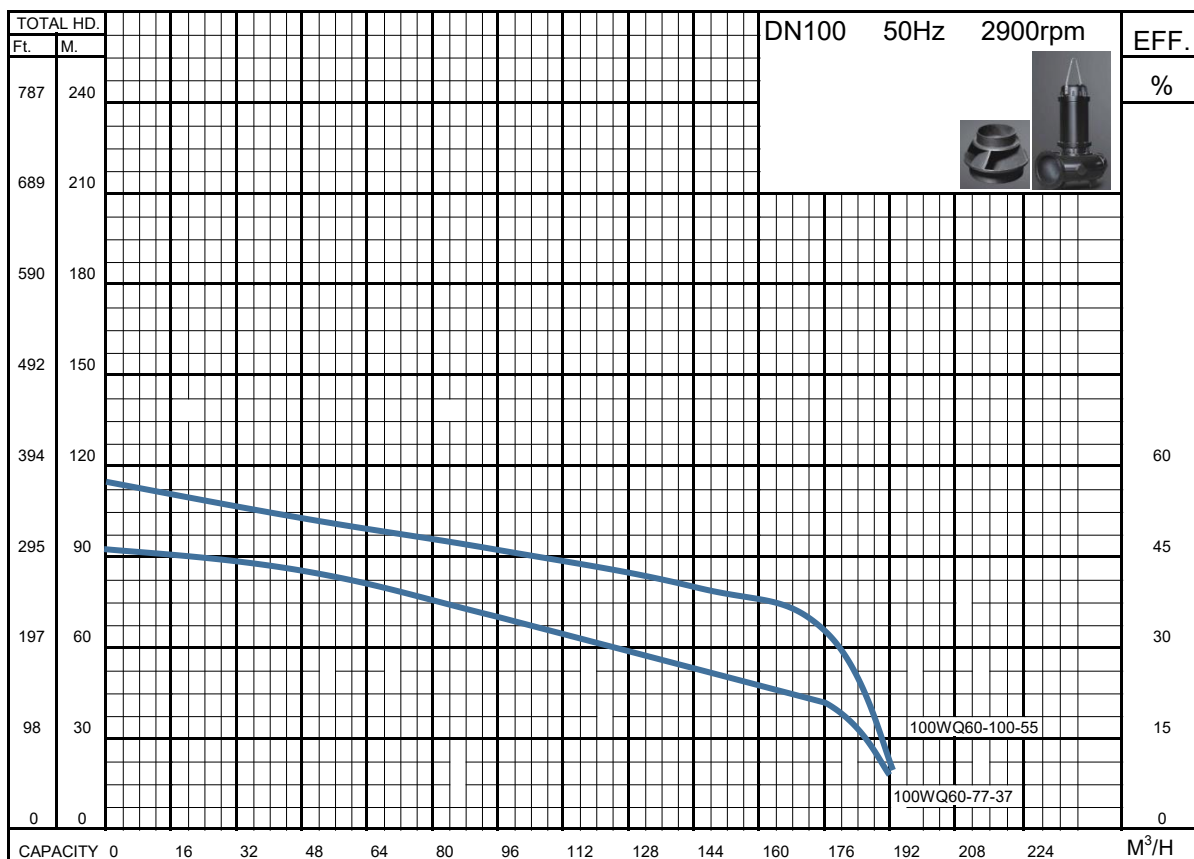
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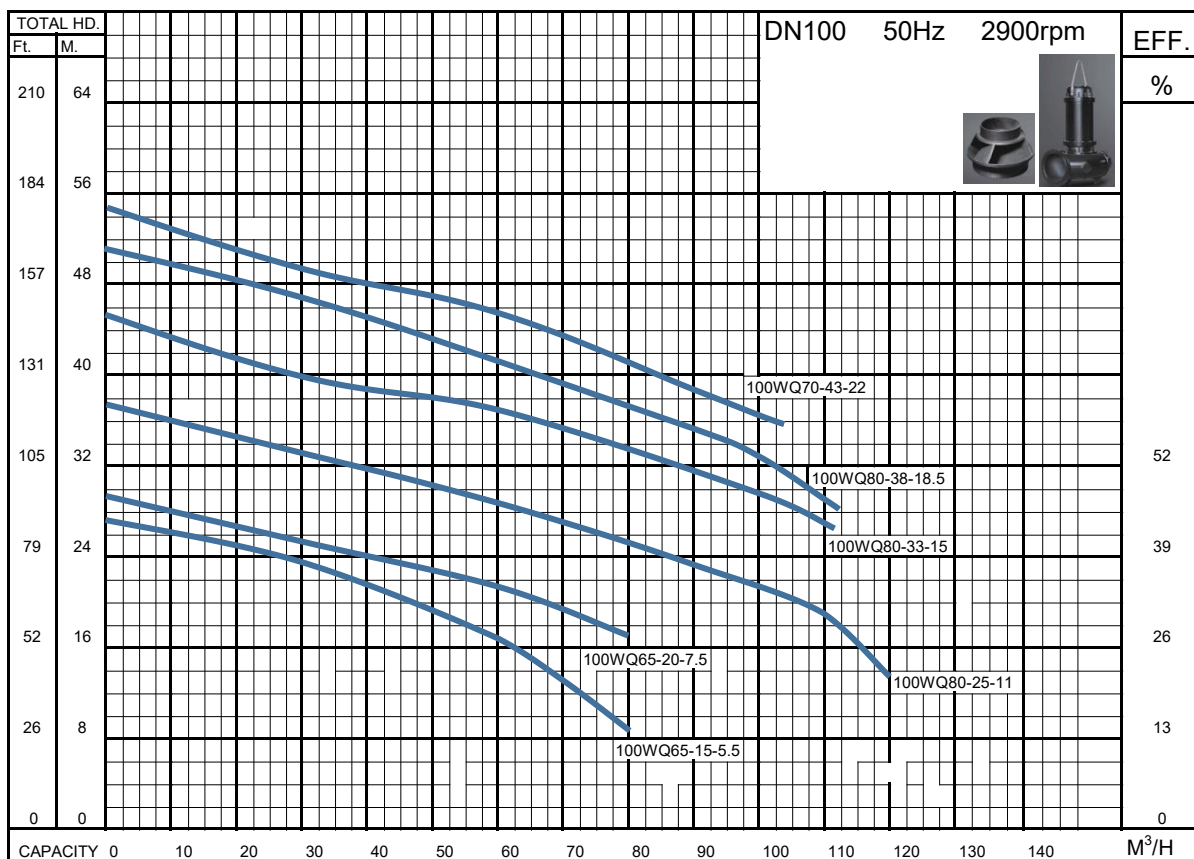
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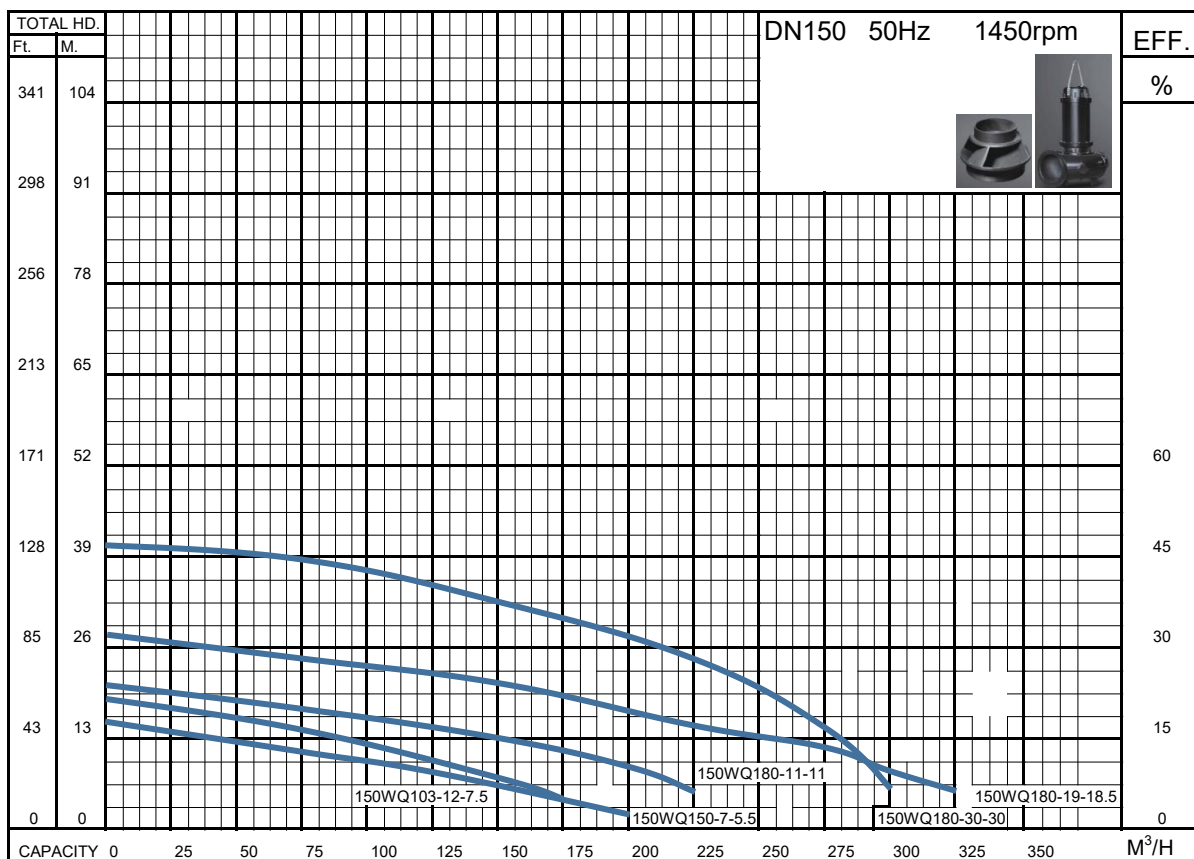
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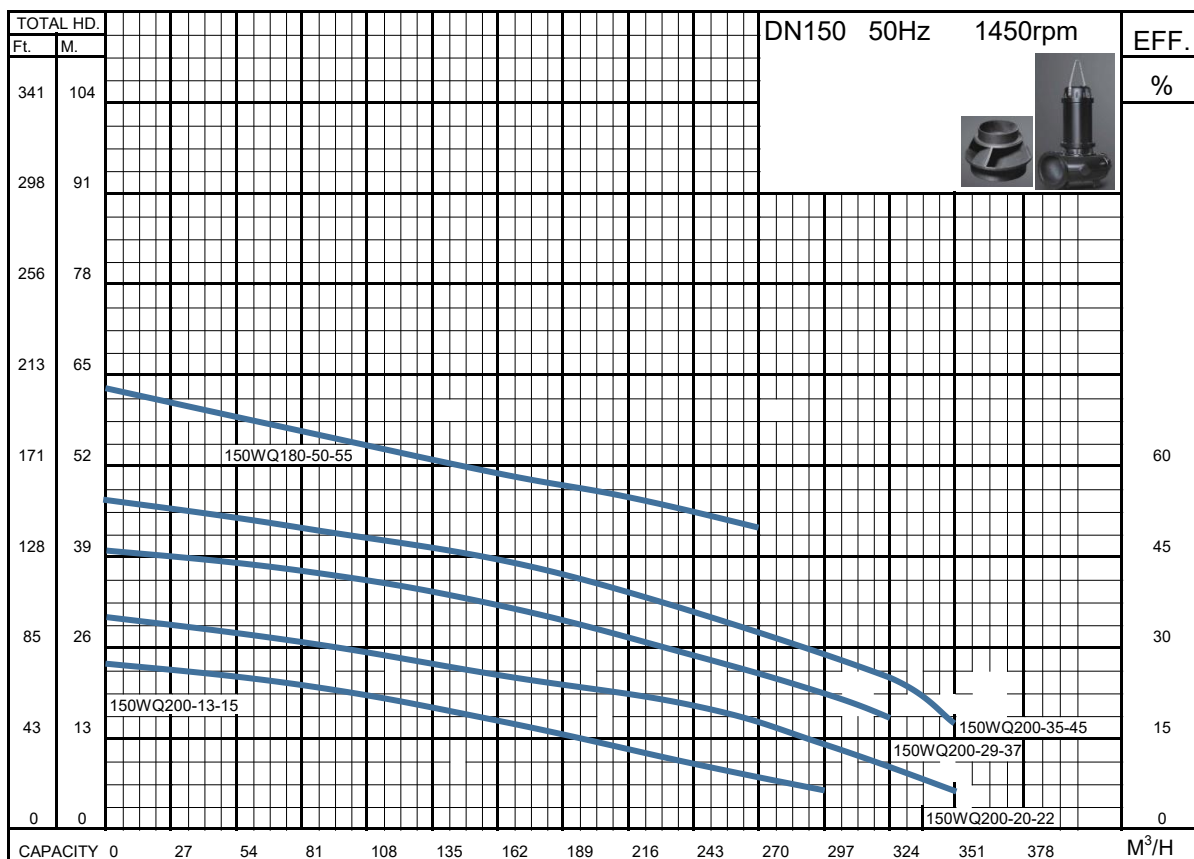
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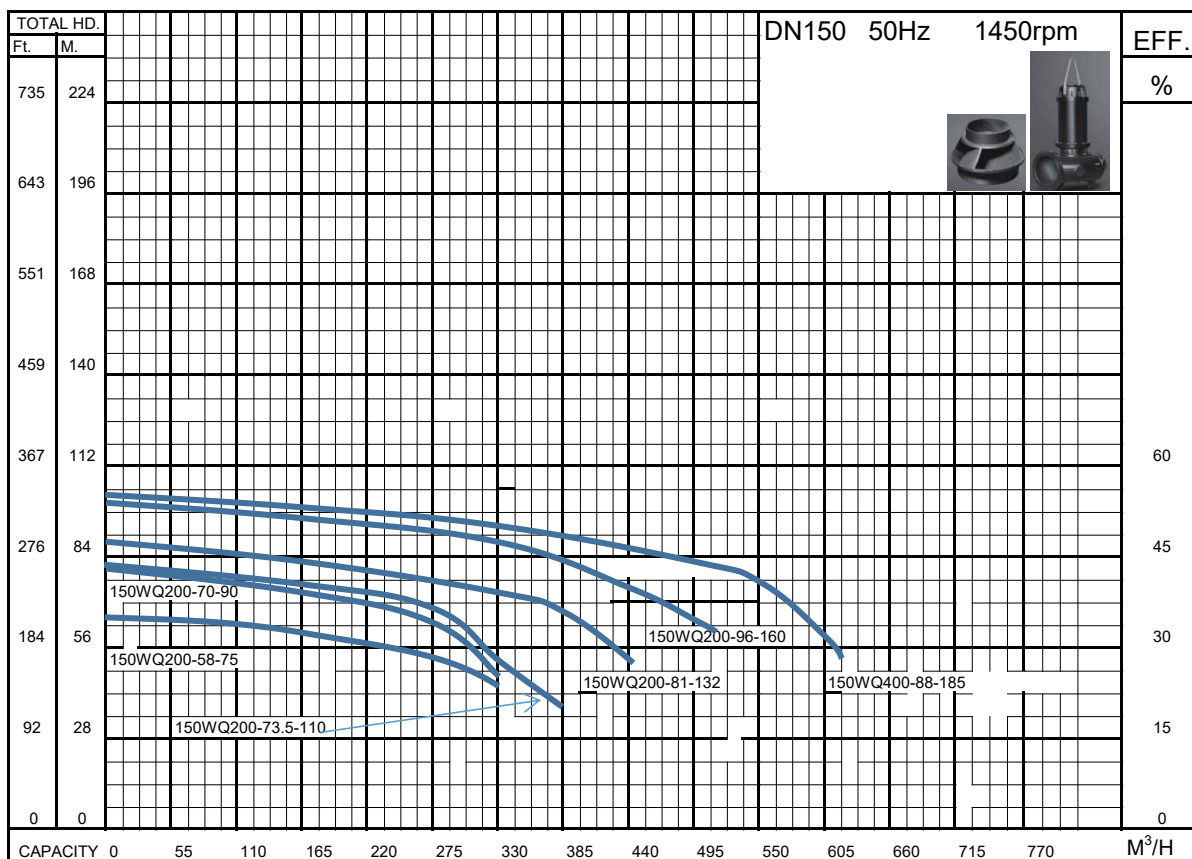


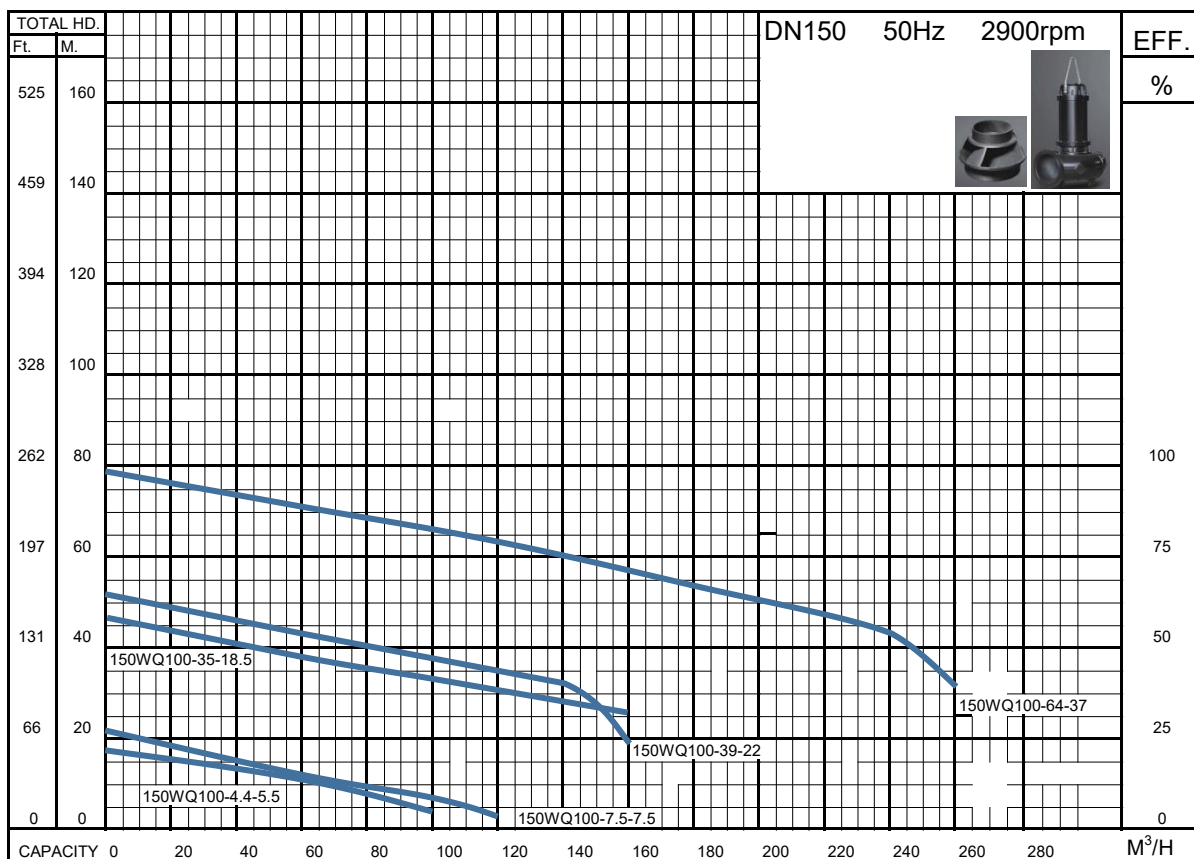
Model	Motor power		Q(M³/H)	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224																	
50Hz	KW	HP	Q(L/min)	0	266.7	533.3	800	1067	1333	1600	1867	2133	2400	2667	2933	3200	3467	3733																	
100WQ60-77-37	37	50	H(M)	90.1	87.6	86	83.1	77.6	73.2	68.5	66.3	58.4	52.9	45.0	40.3	15.5																			
100WQ60-100-55	55	75		113.1	110.1	108.3	103.6	98.5	95.1	91.6	88.0	82.9	79.5	69.7	65.3	16.7																			
Model	VOLT AGE	Current	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W																						
50Hz	V	A	KW	HP	Rpm	pole	inch	m³/h	m	m³/h	m	mm	KG																						
100WQ60-77-37	380V	74	37	50	2900	2	4"	60	77	198.73	90.1	50																							
100WQ60-100-55	380V	98	55	75	2900	2	4"	60	100	200.35	113.1	50																							

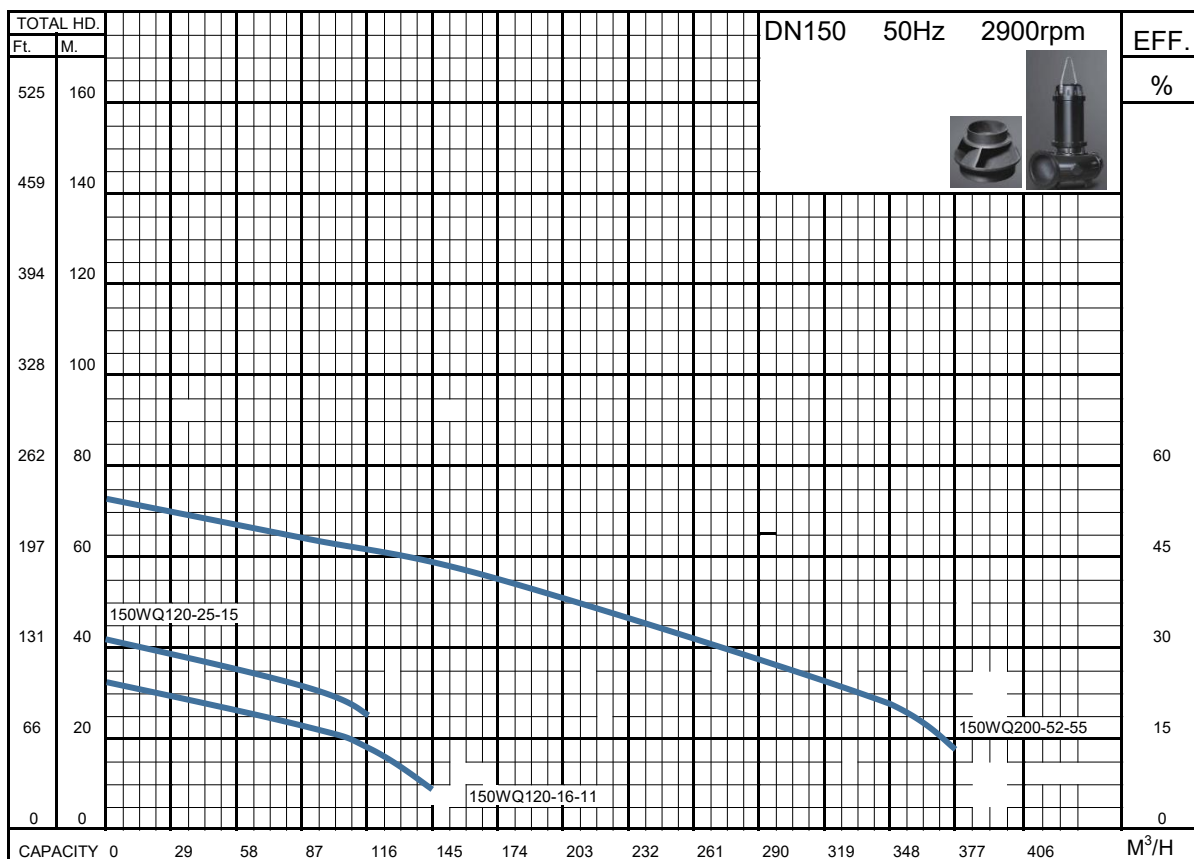
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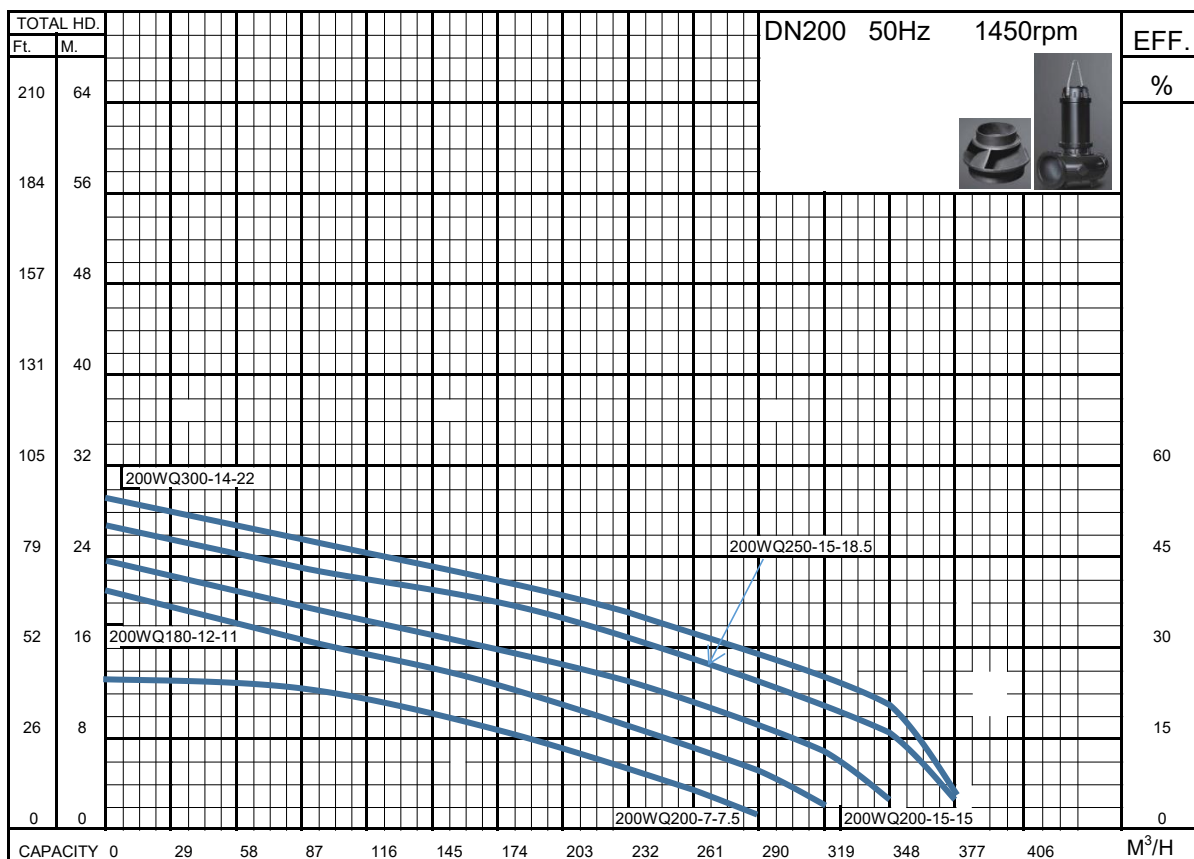
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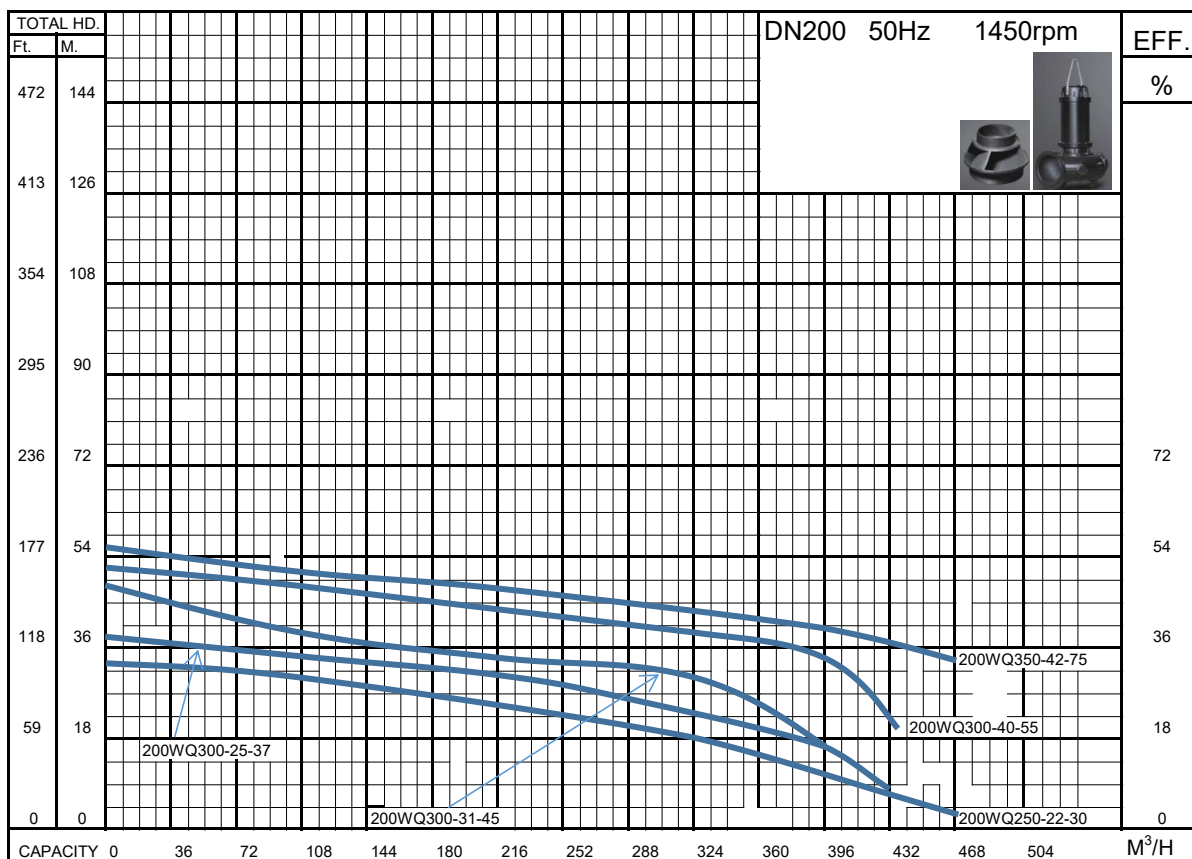
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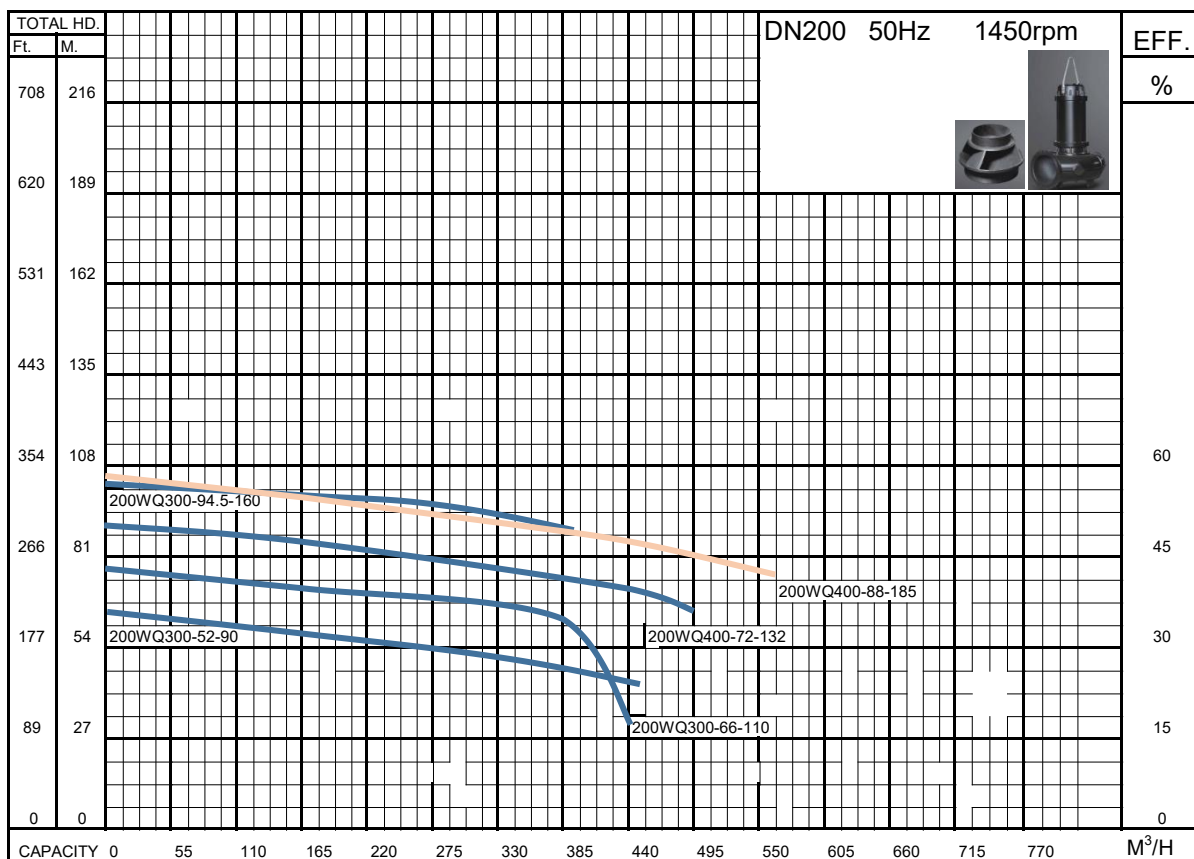
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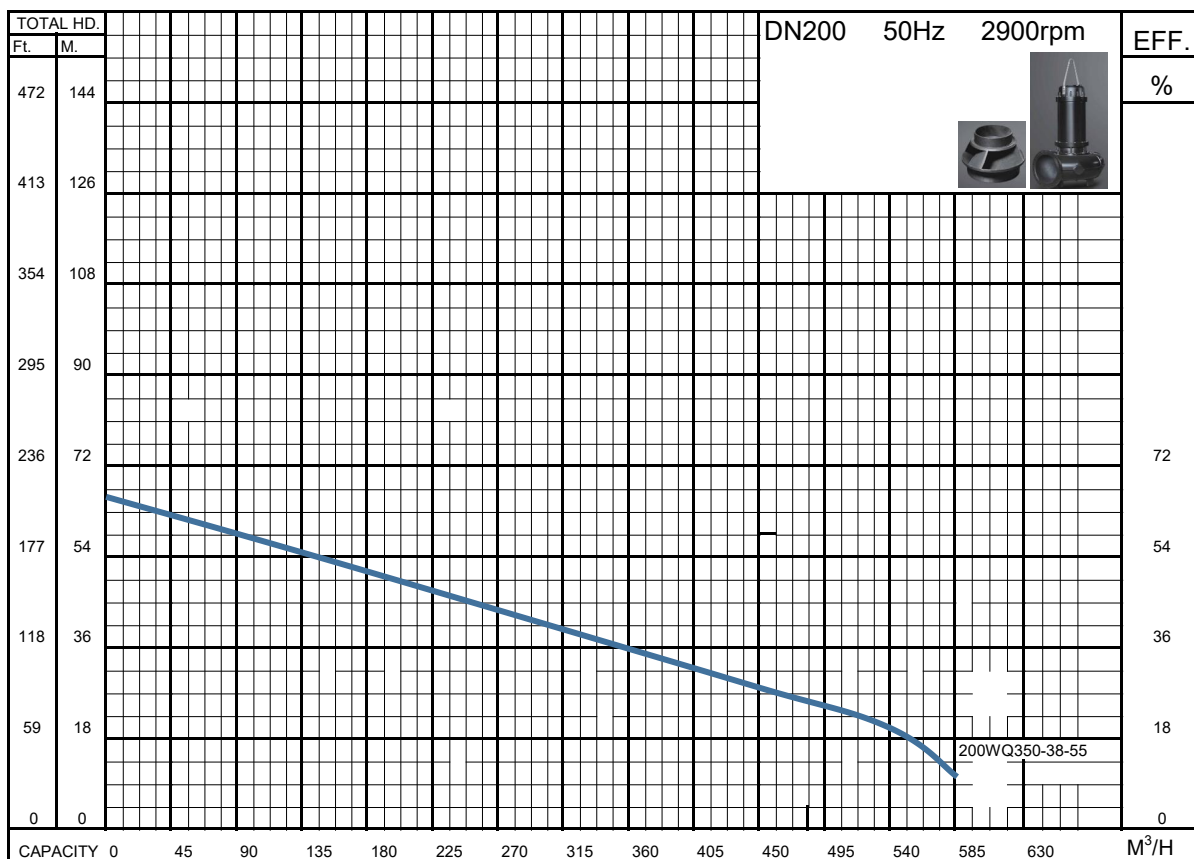
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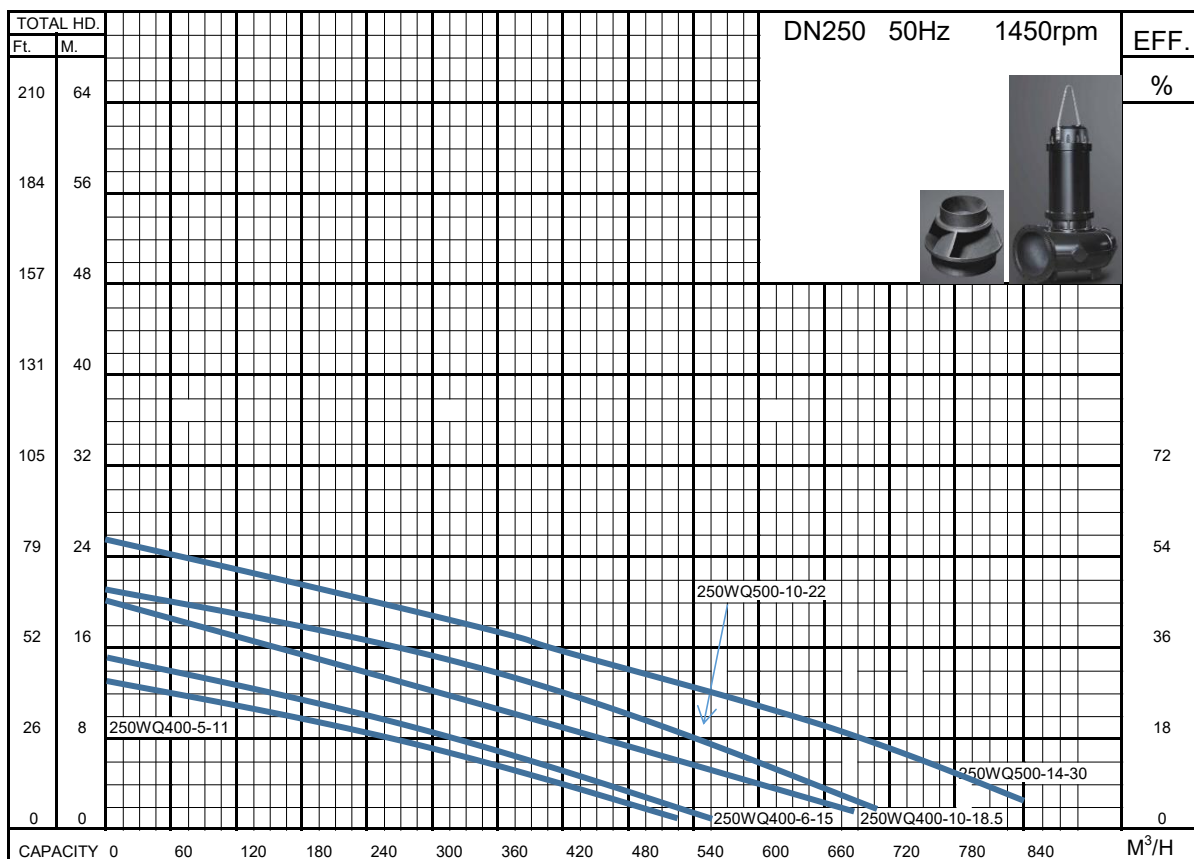
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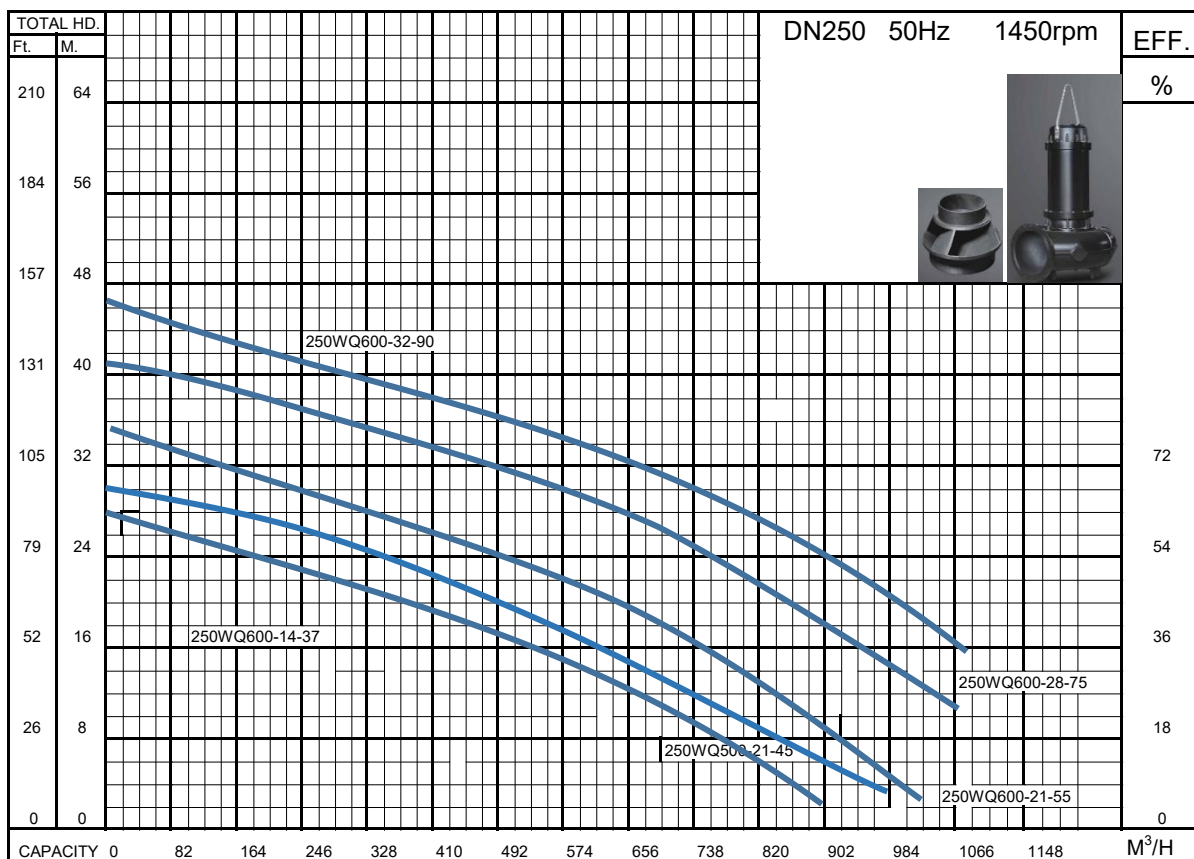
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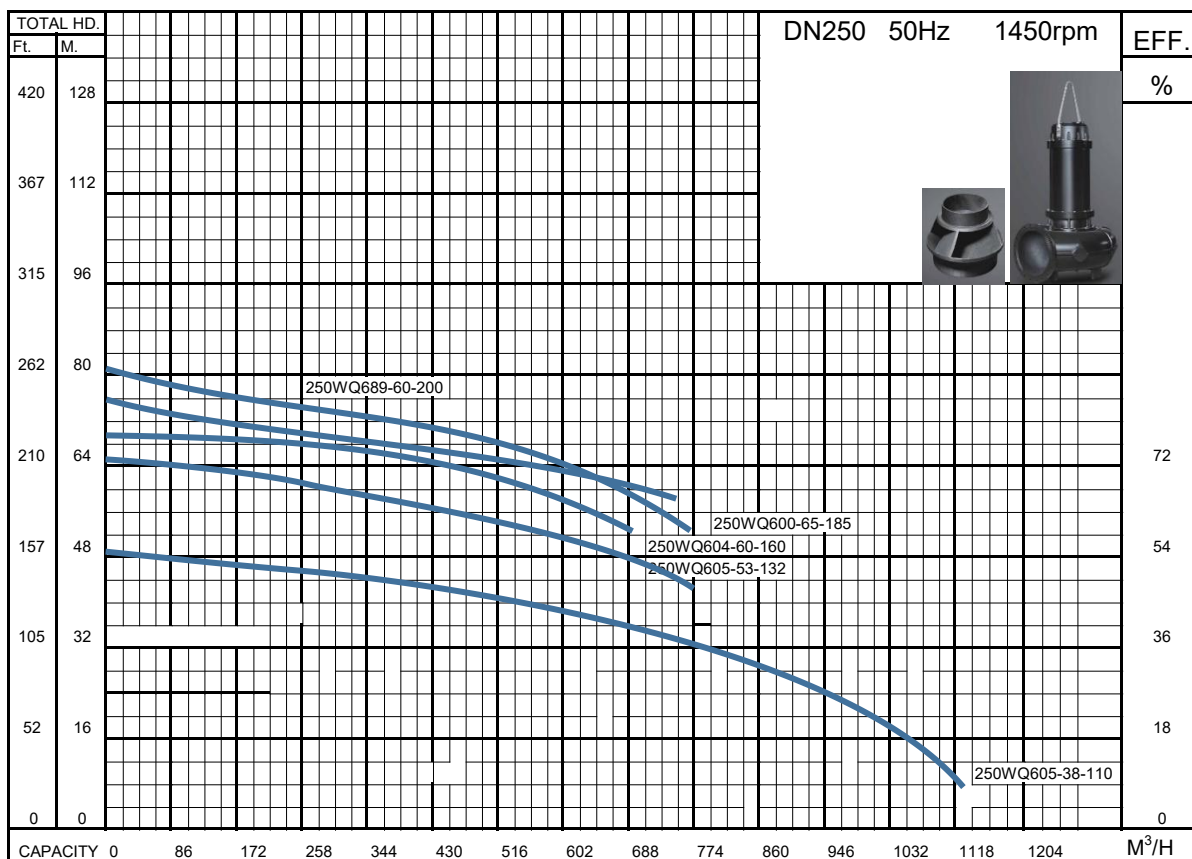
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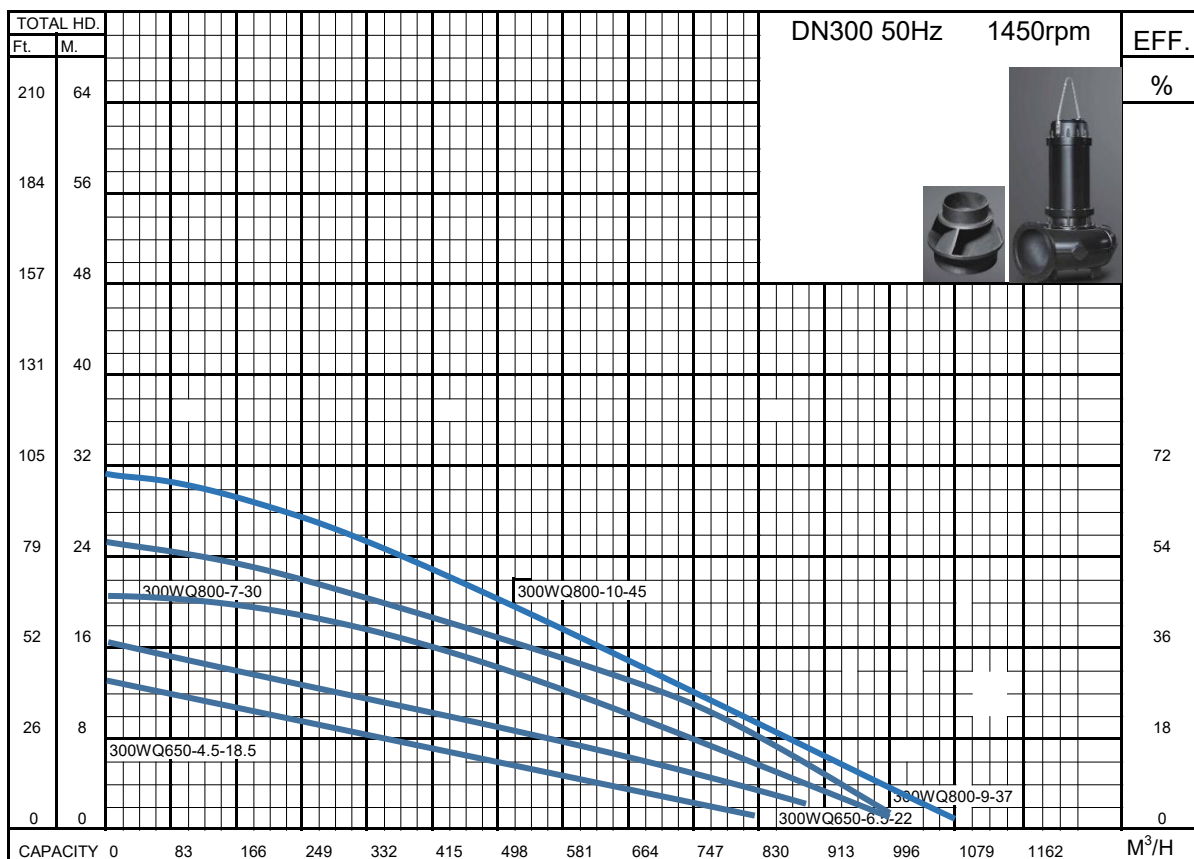
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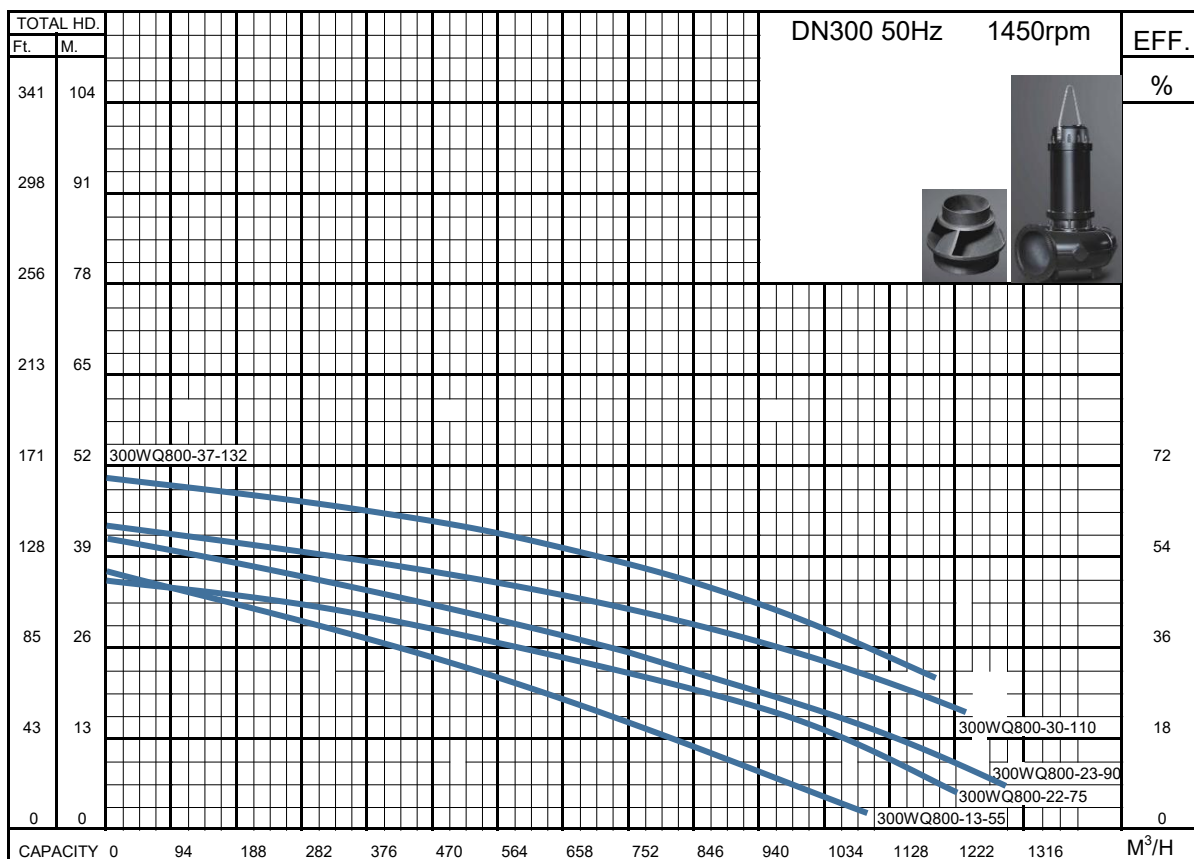
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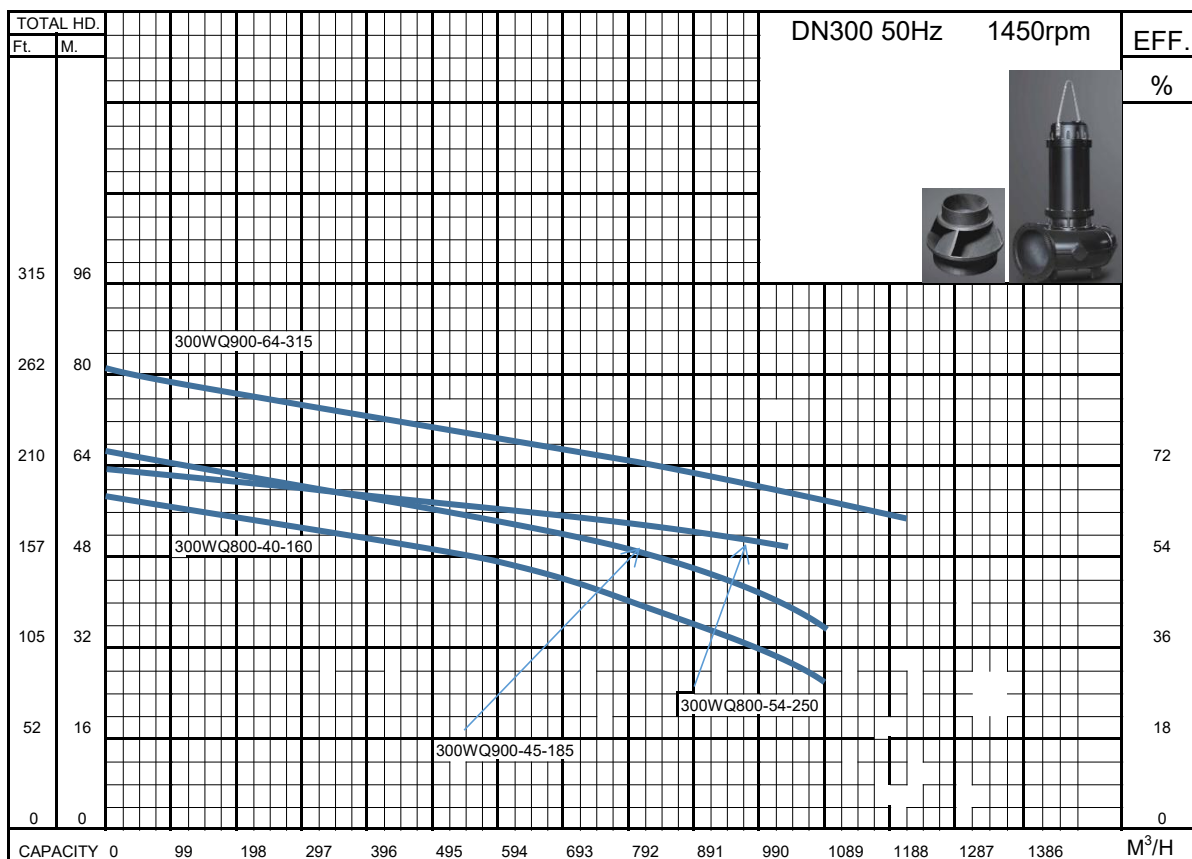
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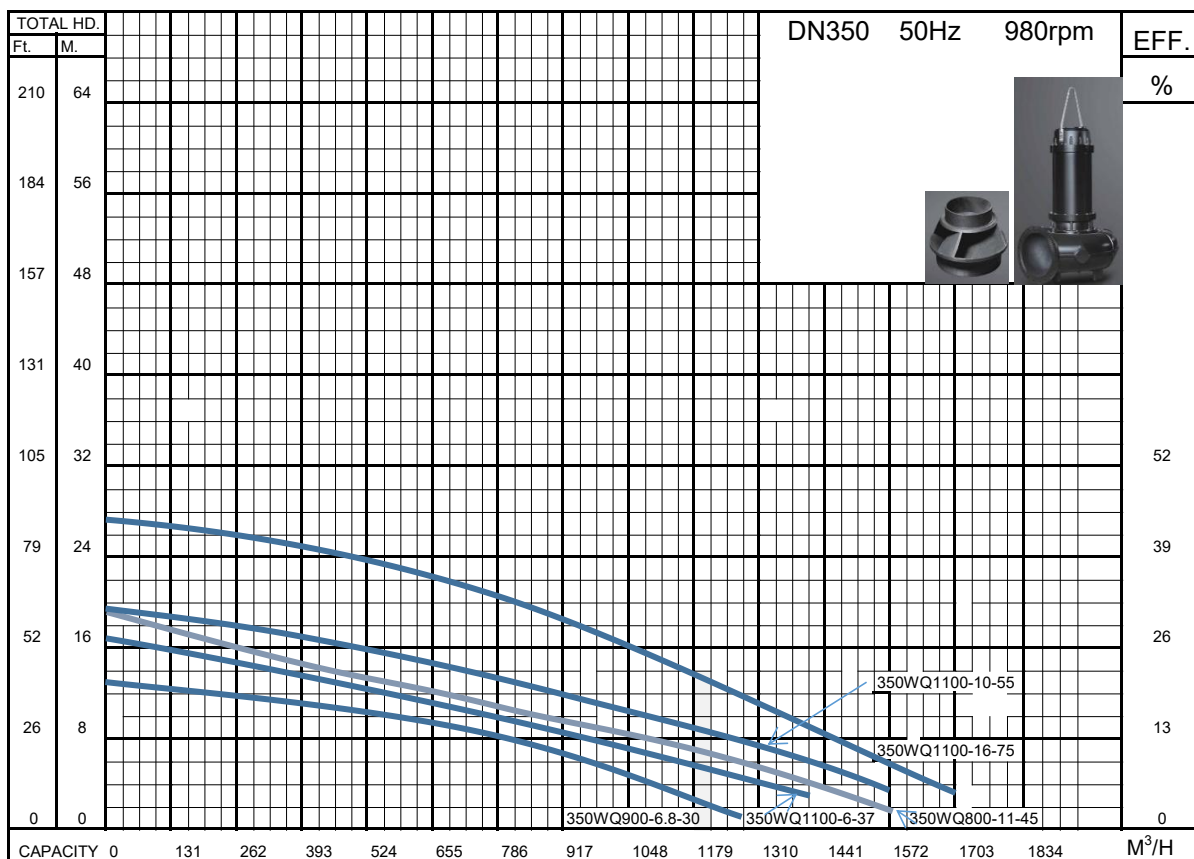
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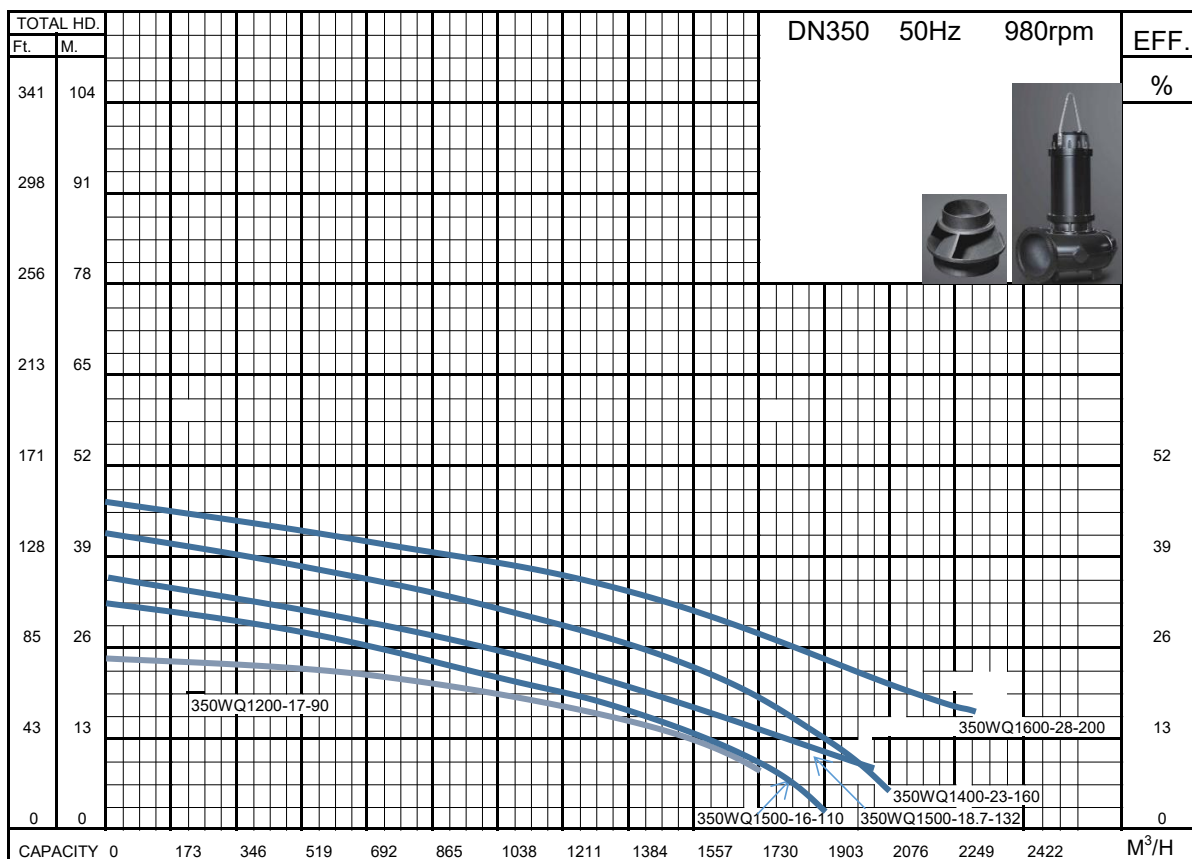
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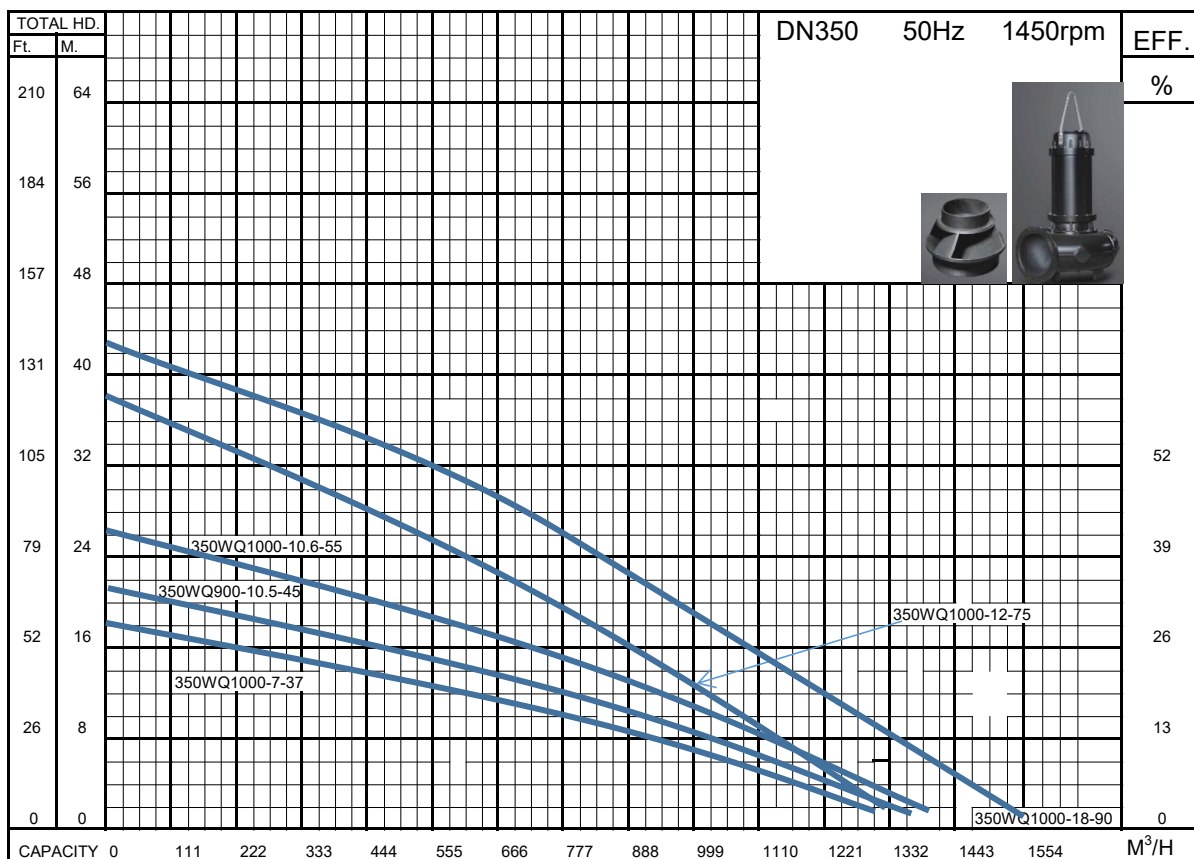
Model	VOLT AGE	Curre nt	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm pole		inch	m³/h	m	m³/h	m	mm	KG
300WQ800-13-55	380V	100	55	75	1450	4	12"	800	13	1079	36.2	90	
300WQ800-22-75	380V	149	75	100	1450	4	12"	800	22	1258	34.8	90	
300WQ800-23-90	380V	160	90	120	1450	4	12"	800	23	1280	40.5	90	
300WQ800-30-110	380V	200	110	150	1450	4	12"	800	30	1226	40.8	90	
300WQ800-37-132	380V	209	132	176	1450	4	12"	800	37	1152	49.4	90	

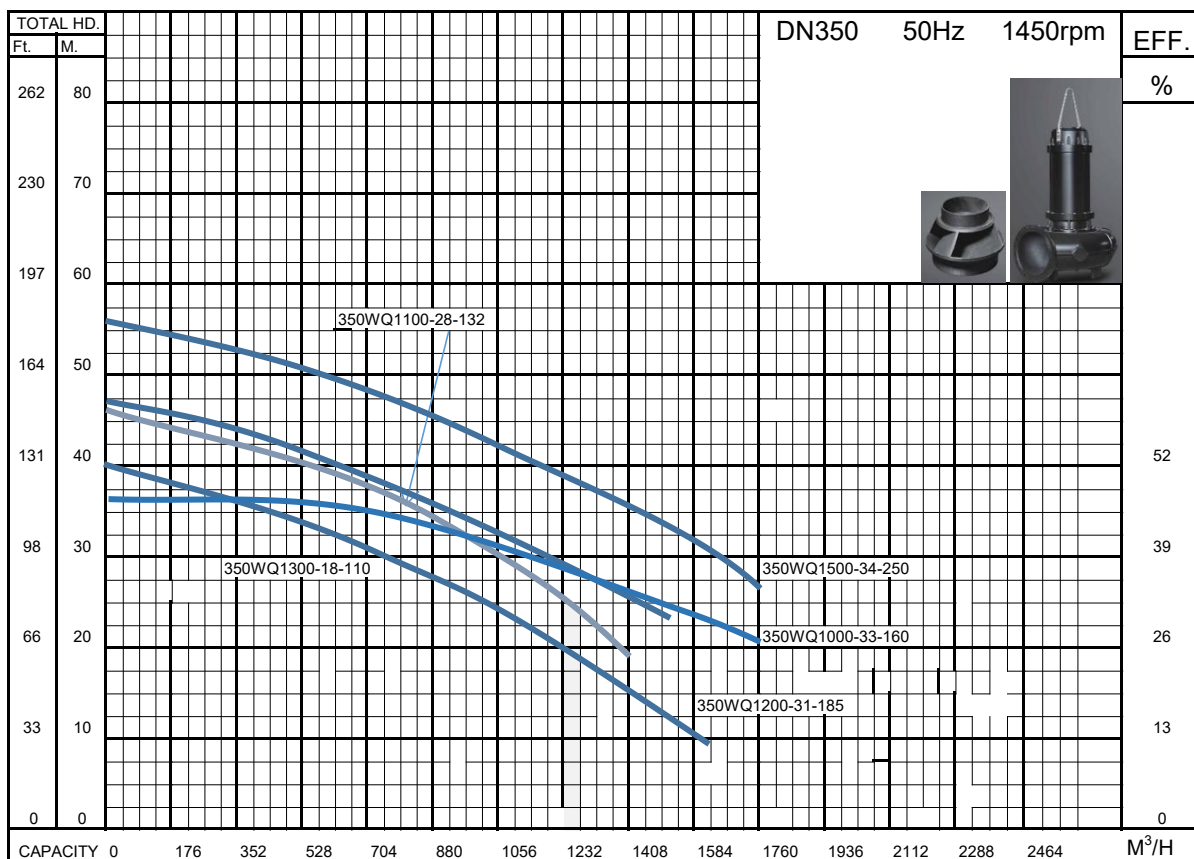
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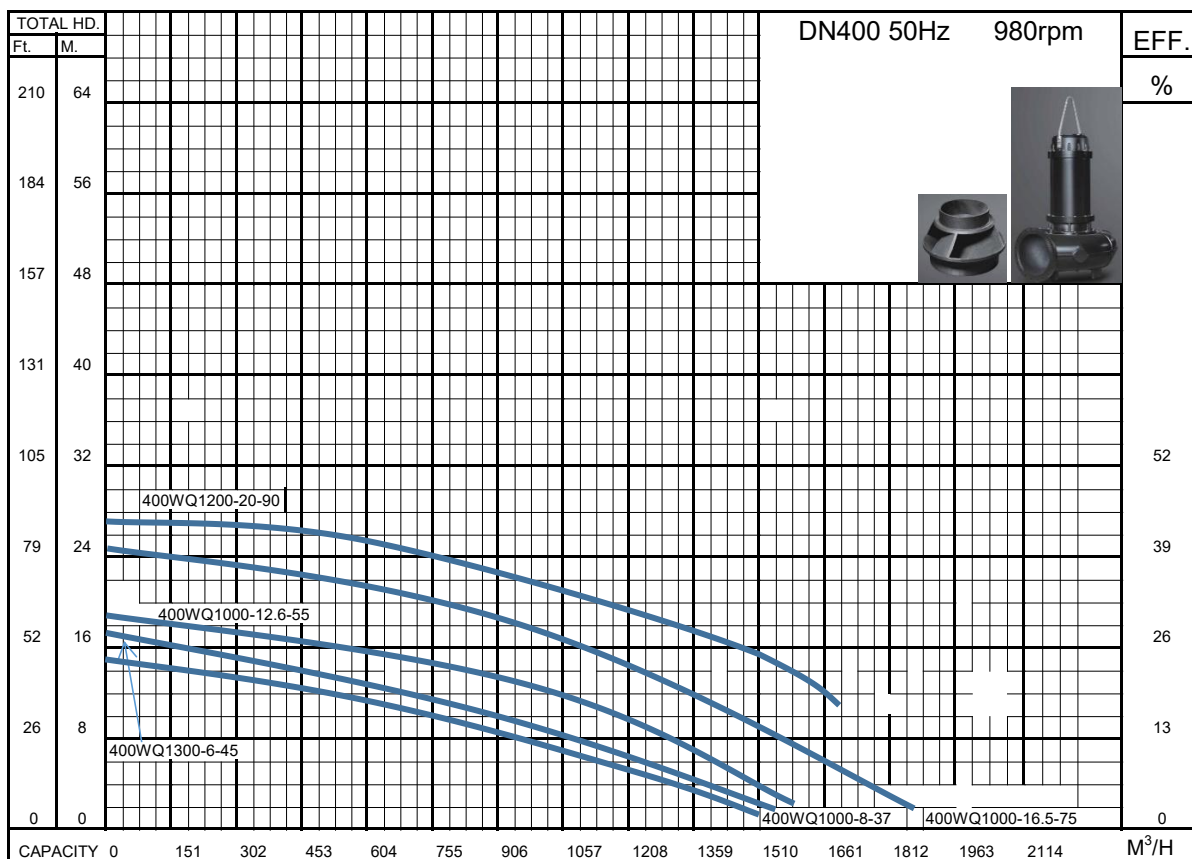
Model	VOLT AGE	Curre nt	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm	pole	inch	m³/h	m	m³/h	m	mm	KG
300WQ800-40-160	380V	264	160	217	1450	4	12"	800	40	1144	58.9	90	
300WQ900-45-185	380V	323	185	250	1450	4	12"	900	45	1173	65.6	90	
300WQ800-54-250	380V	443	250	350	1450	4	12"	800	54	1108	63.9	90	
300WQ900-64-315	380V	601	315	420	1450	4	12"	900	64	1318	81.9	90	

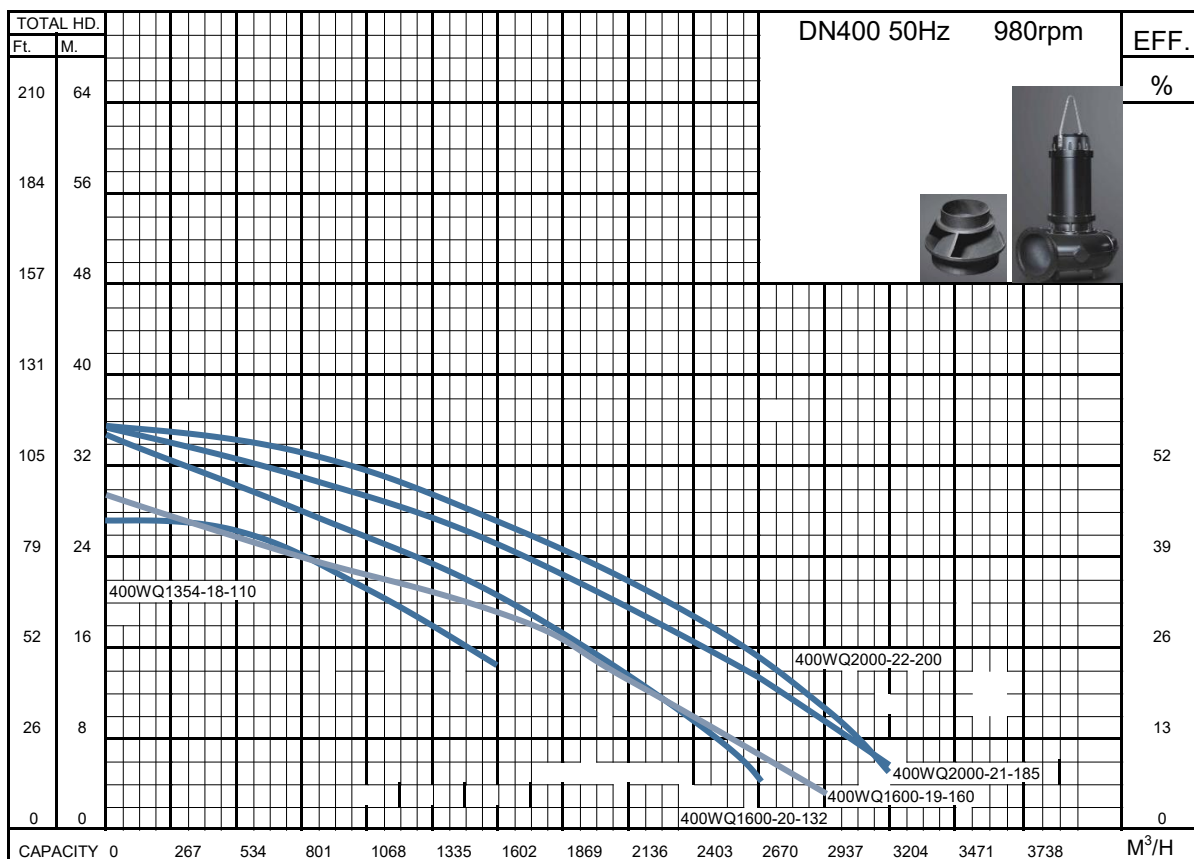
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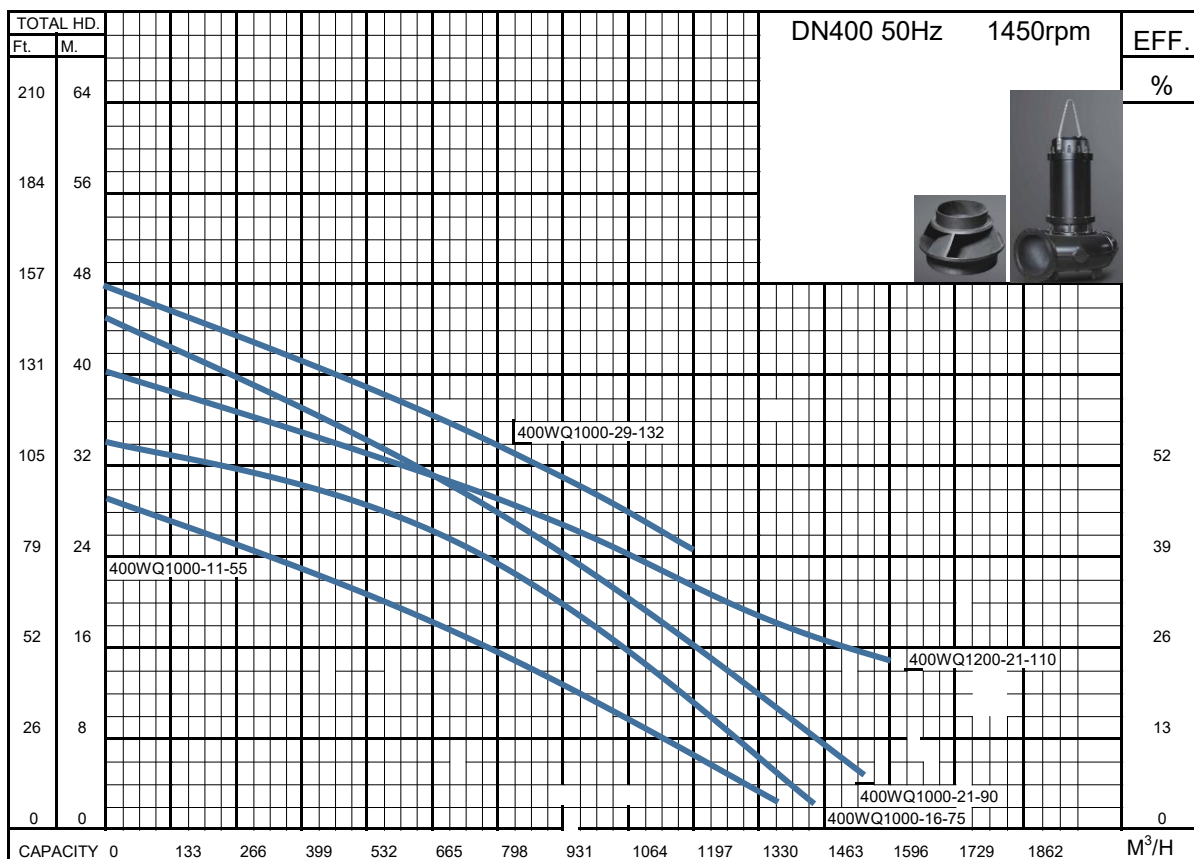
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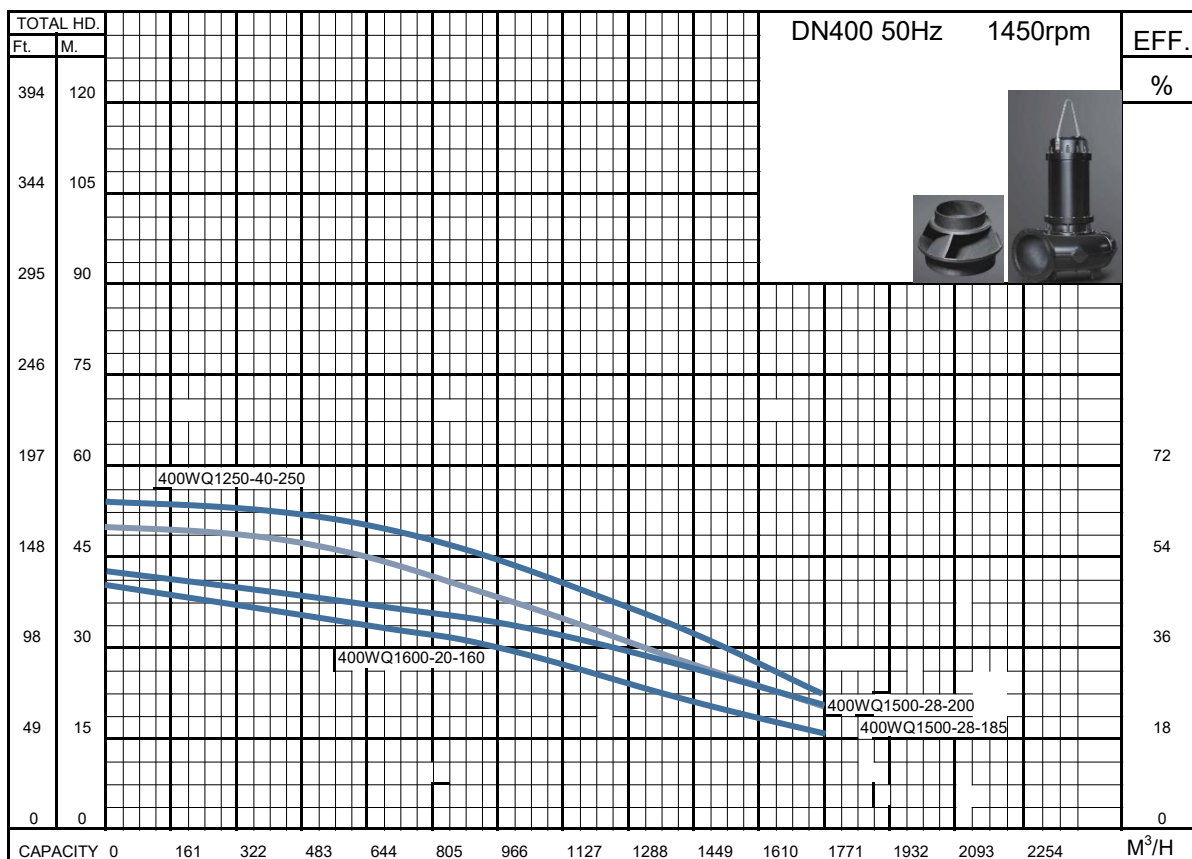
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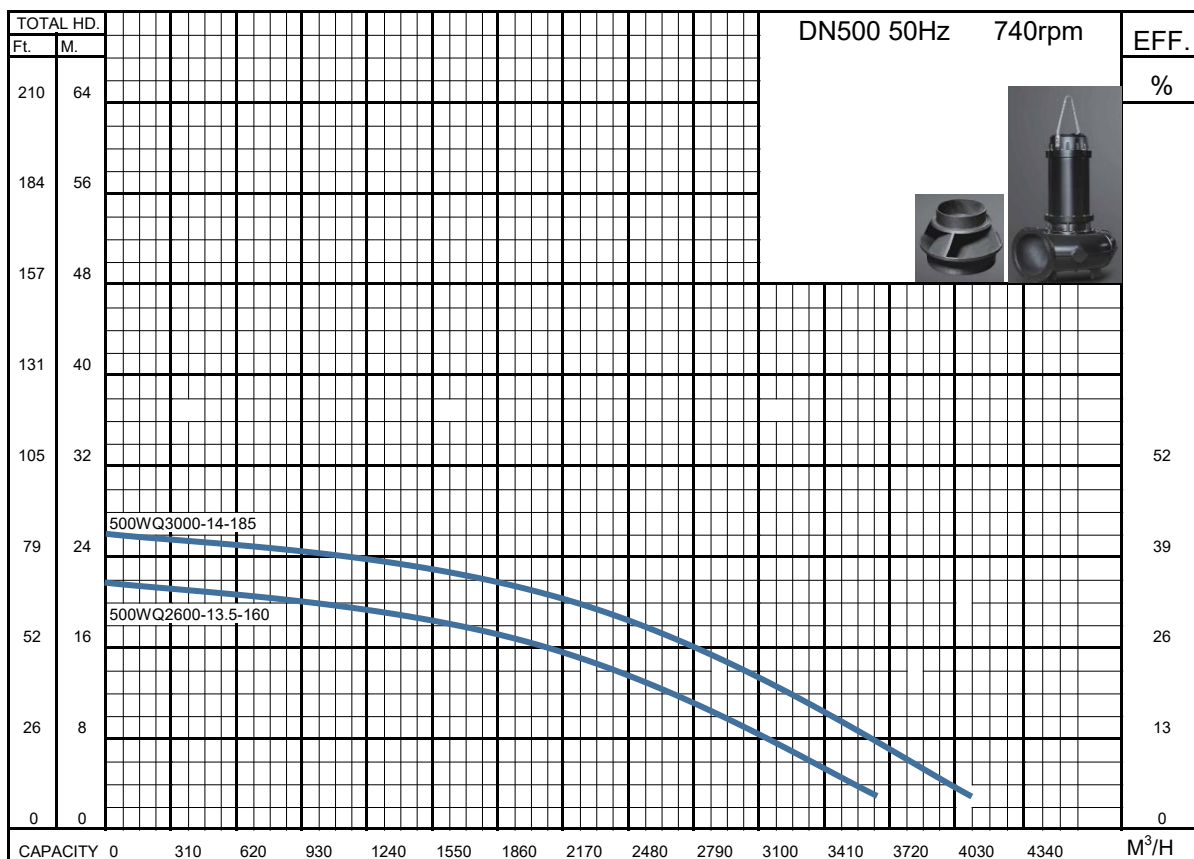
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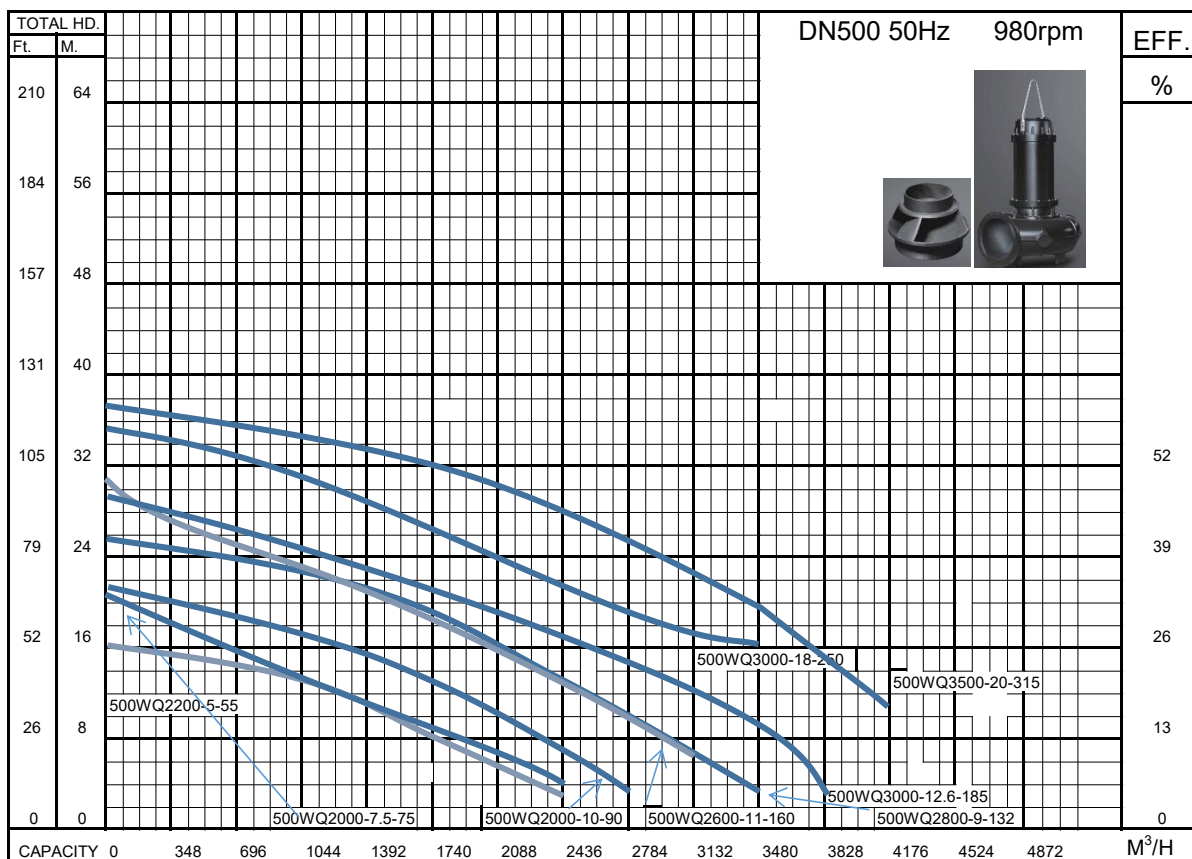
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Model	Motor power		Q(M³/H)	0	310	620	930	1240	1550	1860	2170	2480	2790	3100	3410	3720	4030	4340															
50Hz	KW	HP	Q(L/min)	0	5167	10333	15500	20667	25833	31000	36167	41333	46500	51667	56833	62000	67167	72333															
500WQ2600-13.5-160	160	217	H(M)	22.1	22.1	21.4	21.3	21.0	20.5	17.2	15.8	14.3	12.5	9.0	6.5	3.5																	
500WQ3000-14-185	185	250		25.5	25.5	25.2	24.8	23.5	21.0	19.5	17.6	16.0	14.3	11.5	9.2	4.5																	
Model	VOLT AGE	Curre nt	Motor power		speed		Outlet		Rated capacity		Rated head		Max capacity		Max head		Impeller passage		N.W														
50Hz	V	A	KW	HP	Rpm	pole	inch	m³/h	m	m³/h	m	mm	KG																				
500WQ2600-13.5-160	380V	317	160	217	740Rpm	8	20"	2600	13.5	3717	22.1	100																					
500WQ3000-14-185	380V	354	185	250	740Rpm	8	20"	3000	14	4140	25.5	100																					

[illegible]

