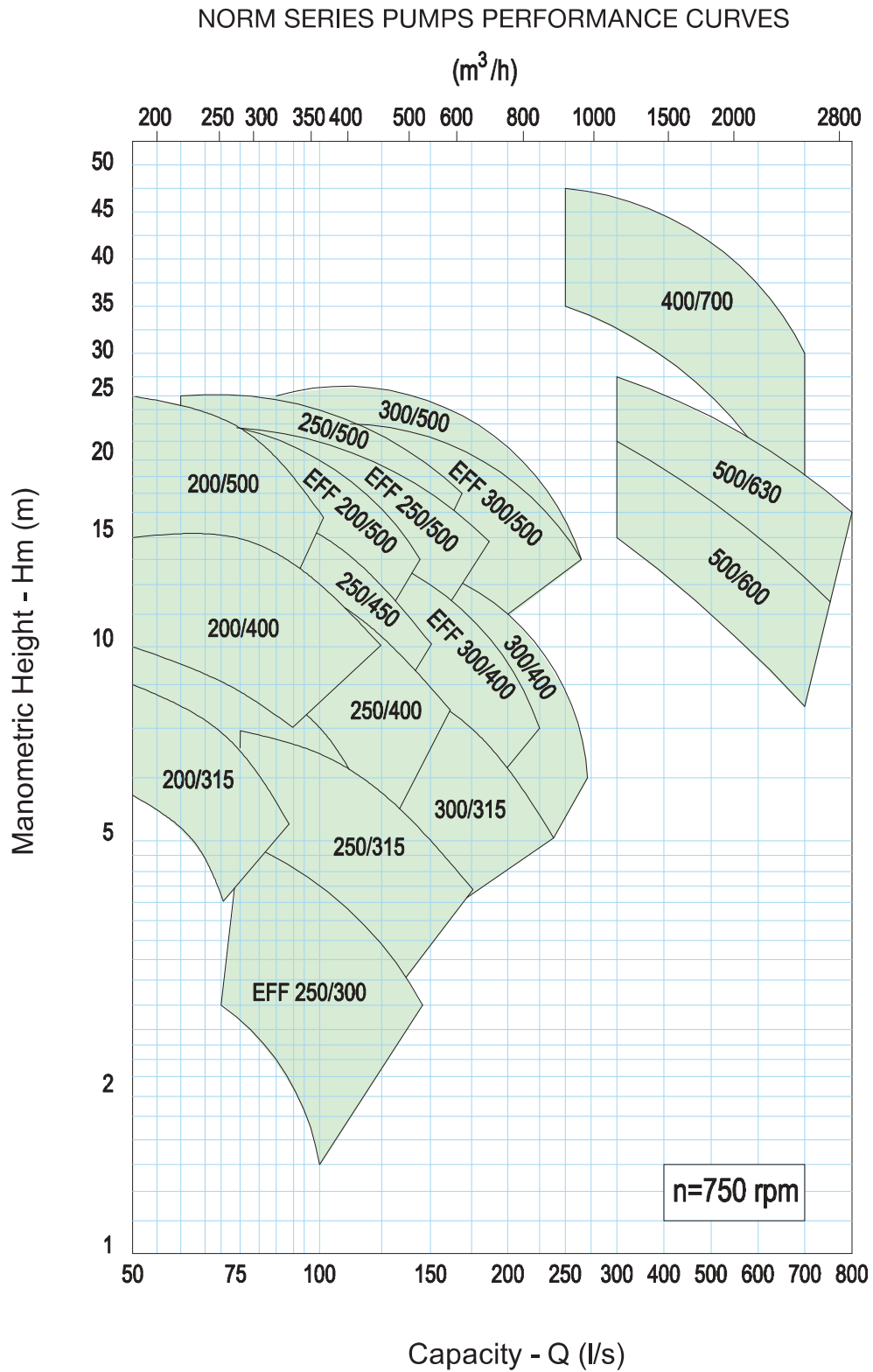
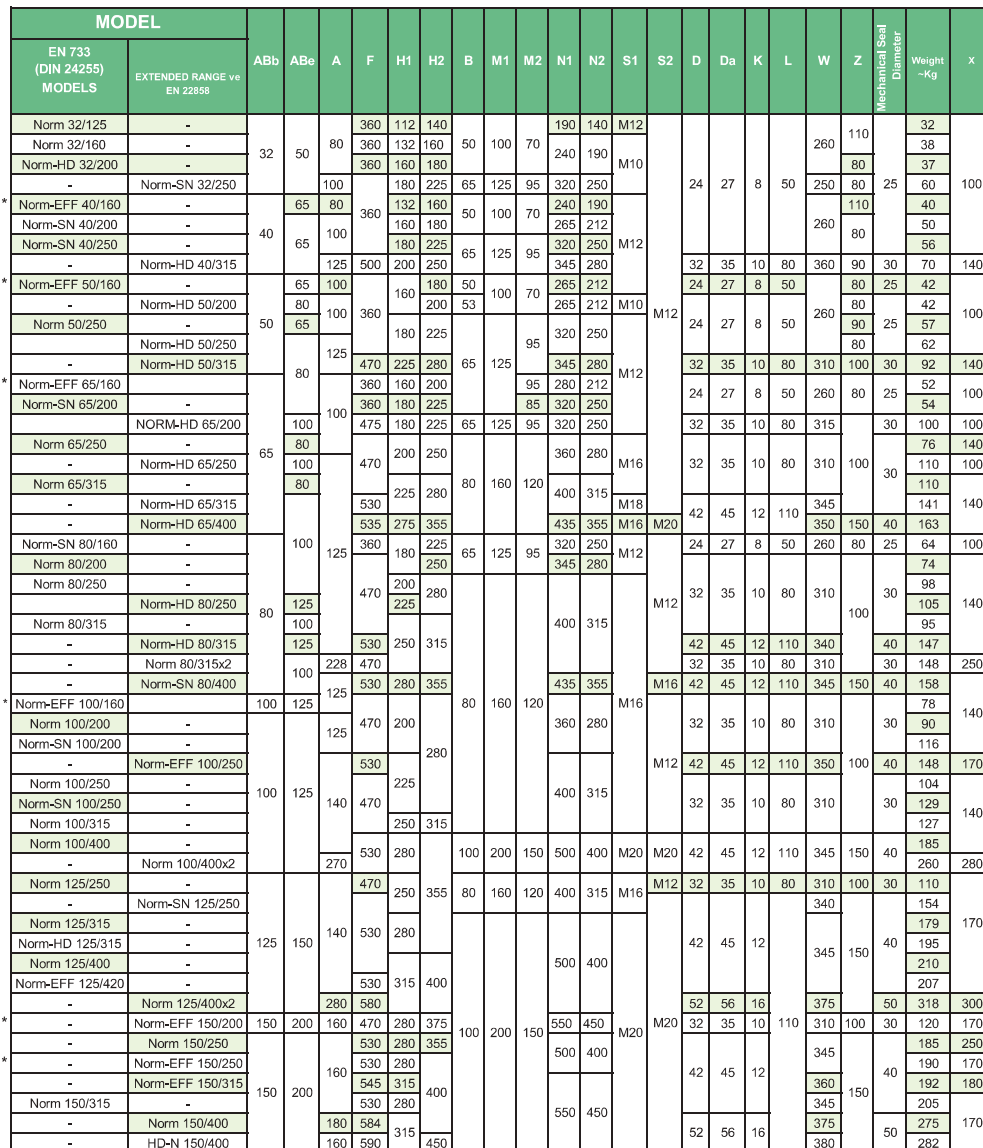


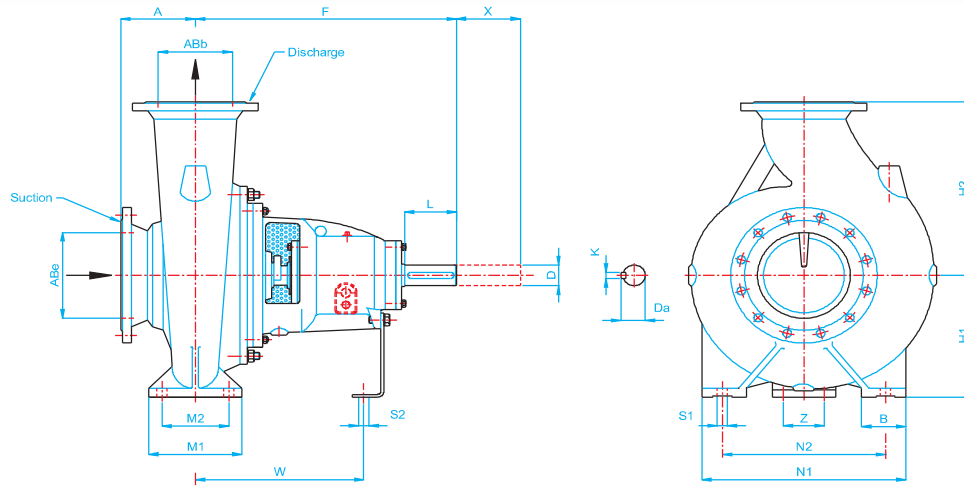
NORM SERIES PUMPS GROUP PERFORMANCE CURVES (n=750 rpm)





4) (*) These pumps are on the project stage.

NORM SERIES PUMPS DIMENSIONS TABLE



MODEL		ABb	ABe	A	F	H1	H2	B	M1	M2	N1	N2	S1	S2	D	Da	K	L	W	Z	Mechanical Seal Diameter	Weight -Kg	x	
EN 733 (DIN 24255) MODELS	EXTENDED RANGE ve EN 22858																							
-	Norm-EFF 150/420	150	200	160	590	315	450	100	200	150	550		M20		52	56	16	110	380	150	50	295	170	
-	Norm-EFF 150/500				700	380	500									60	64	18	140	460				465
-	Norm 150/500			180	704		530	130		180	560	450								465	190	60		420
-	Norm-EFF 150/560	200	250		700	400	500												460			493	200	
-	Norm-EFF 200/260				550	315	400		250	150		500	400			42	45	12		365		40		192
-	Norm 200/315			200	584		450	110										110		375	150	50		300
-	Norm-EFF 200/330	250	300		600	360				180					52	56	16		390		50	246	250	
-	Norm 200/400				704	355	505	120		550	450				60	64	18		465		60	410		
-	Norm-EFF 200/500			210	820		500	160	300		720	600			70	74,5	20		575		70	535		
-	Norm 200/500	300	350		785														540		70	512	280	
-	Norm-EFF 250/300				245	687	400	110		540	450				60	64	18		437		50	430		
-	Norm 250/315				197	701		430											452		60	410		
-	Norm-EFF 250/400	350	400		240	710	500	150	280	200	650	500							461		60	475	375	
-	Norm 250/400					785													540			495		
-	Norm 250/450				252		545		280	200	650	500							550			545		
-	Norm-EFF 250/500	400	500		794	425	500	160	300	240	720	600							540			575	280	
-	Norm 250/500				240	785	545												540			567		
-	Norm 300/315				250	820	400	535		280	200	650	500			70	74,5	20		576		70		550
-	Norm-EFF 300/360	450	550		300	794	450	500	150		240								550			572	375	
-	Norm-EFF 300/400				280	805	500		300	200	800	660							560			750		
-	Norm-EFF 300/500				300	802	450	600		245									558			685		
-	Norm 300/500	500	600		300	785	450												540			690	375	
-	Norm 400/700								400	300	1150	1000										2070		
-	Norm 500/600				350	1275	700	1000	250	440	340	1250				M36	M16	100	106	28	210	915		200
-	Norm 500/630A	600																				2150	375	
-	Norm 500/630B																							

NOTE:

1) Dimensions "mm". Turbosan reserves right to make any changes in dimensions without giving prior notice.

2) Flanges conforming to DIN 2501 and TS EN 1092-2

3) * X * spacer length.

4) (*) These pumps are on the project stage.

ECO DESIGN:

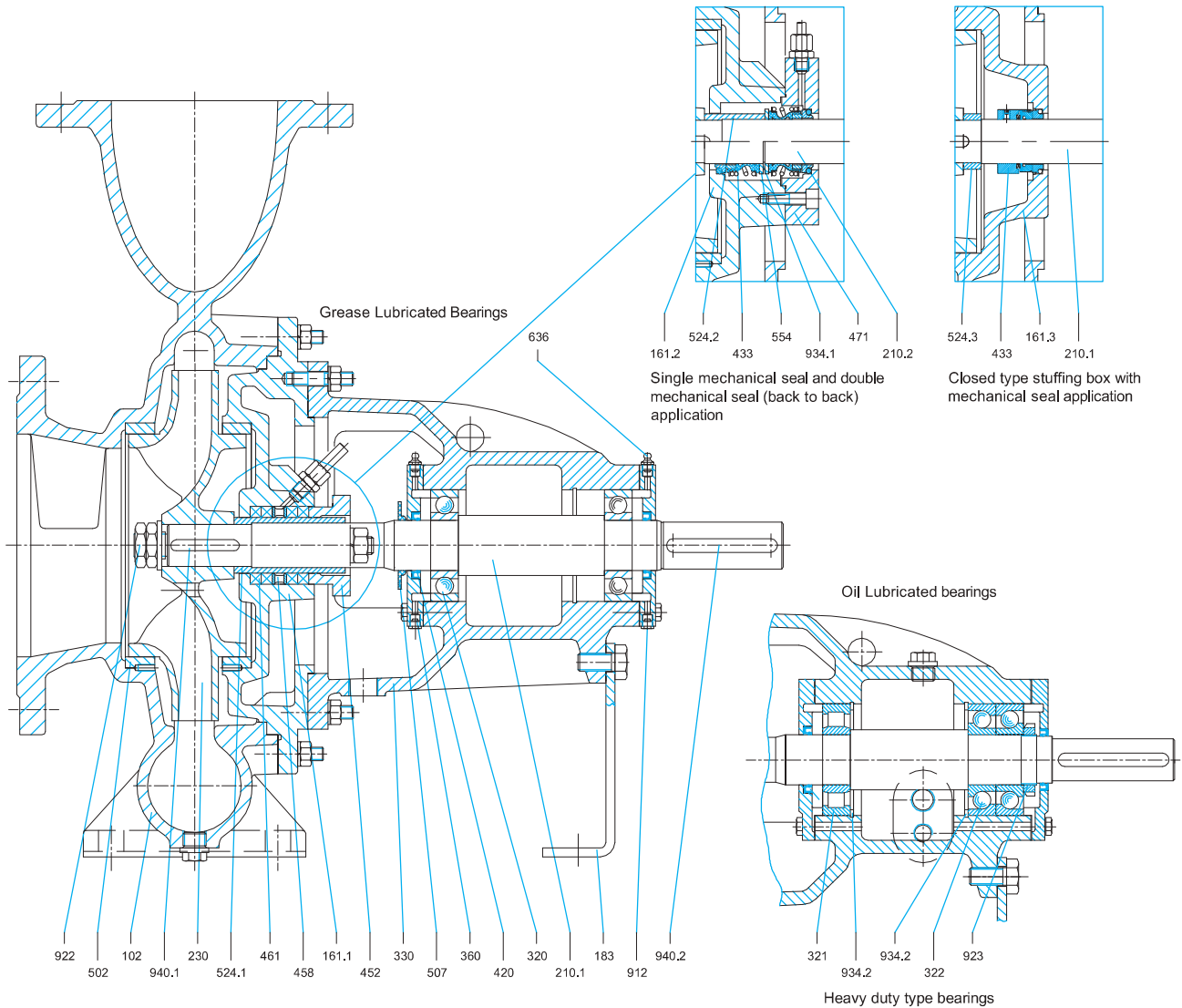
- Turbosan designs and manufactures pumps in accordance with ErP (Energy Related Products) 2009/125/Ec directive and EU 547/2012 directive by using upto date desing and manufacturing methods.

- Incase requested Turbosan pumps can be delivered with IE 3 efficiency class electric motors increasing overall system efficiency.



SECTIONAL DRAWING & PARTS LIST FOR STANDARD CONSTRUCTION

NORM PUMP SECTIONAL DRAWING AND PARTS LIST FOR STANDART CONSTRUCTION



102- Volute Casing	330- Bearing Frame	524.2- Shaft Sleeve (Single mechanical seal arrangement)
161.1- Stuffing Box	360- Bearing Cover	524.3- Impeller Washer (for closed stuffing box)
161.2- Stuffing box (double mechanical seal type)	420- Oil Seal	554- Mechanical seal washer
161.3- Stuffing box (closed type)	433- Mechanical Seal	636- Grease Nipple
183- Support Foot	452- Gland	912- Draining valve
210.1- Shaft	458- Lantern Ring	922- Counter nut
210.2- Shaft (double mechanical seal type)	461- Soft Packing	923- KM Nut
230- Impeller	471- Mechanical Seal Cover	934.1- Circlip for shaft (Double Mechanical Seal)
320- Bearing (63....)	502- Wear Ring	934.2- Circlip for hole (Bearing) (Heavy duty)
321- Bearing (NU....) (Heavy Duty)	507- Water Thrower	940.1- Impeller key
322- Bearing (73....) (Heavy Duty)	524.1- Shaft Sleeve (soft packing version)	940.2- Coupling key

NOTE : Cross sectional drawing is for information, actual part list subject to change according to ordered type construction