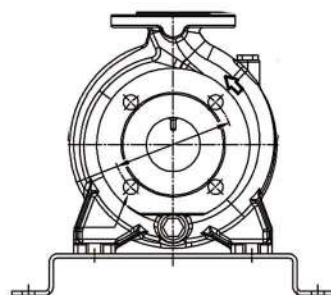
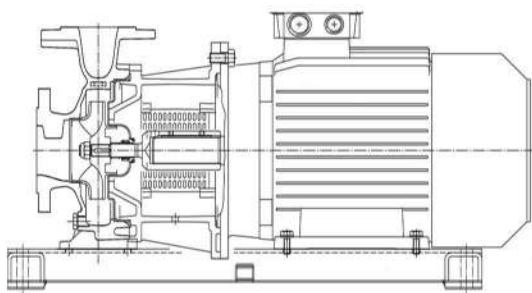




ISO 9001

CENTRIFUGAL PUMPS CLOSE COUPLED AND STANDARDIZED EN733





NSK
BEARINGS

Advanced
ENERGY

blueflux® CE



OPTIMISED PERFORMANCE AND RELIABILITY TO YOUR PROJECTS VIA HYPER PUMPS

#	MODEL	Head	Q	MAX Head	MAX Q	 POWER		IN/OUTLET Tread / Flange (INCH)
		(m)	(m ³ /h)					
						(kw)	(HP)	
1	CM 32-250/55	72	9	80	24	5.5	7.5	1 1/4 * 2
		63	15					
		56	18					
2	CM 32-250/75	92	9	100	24	7.5	10	1 1/4 * 2
		83	15					
		76	18					
3	CM 32-250/55D DOUBLE IMPELLER	102	9	110	24	5.5	7.5	1 1/4 * 2
		82	15					
		76	18					
4	CM 32-250/75D DOUBLE IMPELLER	120	9	130	24	7.5	10	1 1/4 * 2
		110	15					
		94	18					
5	CM 40-125/22	22	24	24.5	48	2.2	3	2 1/2*1 1/2
		20	27					
		16	36					
6	CM 40-160/30BM SINGLE PHASE	20	38	35	42	3	4	2 1/2*1 1/2
		25	29					
		30	16					
7	CM 40-160/30	20	38	35	42	3	4	2 1/2*1 1/2
		25	29					
		30	16					
8	CM 40-160/40	25	41	40	42	4	5.5	2 1/2*1 1/2
		30	34					
		35	22					
9	CM 40-200/55	30	42	48	42	5.5	7.5	2 1/2*1 1/2
		35	35					
		40	28					
10	CM 40-250/92	57	24	64	48	9.2	12	1 1/2 * 2
		55	27					
		50	36					
11	CM 40-250/110	65	24	72	48	11	15	1 1/2 * 2
		64	27					
		58	36					
12	CM 40-250/150	77	24	85	48	15	20	1 1/2 * 2
		75	27					
		71	36					
13	CM 50-160/55	20	72	32	84	5.5	7.5	2 1/2 * 2
		25	60					
		30	42					
14	CM 50-160/75	20	89	40	90	7.5	10	2 1/2 * 2
		25	85					
		30	73					
15	CM 50-250/150	63	42	69	84	15	20	2 1/2 * 2
		59	54					
		50	72					
16	CM 50-250/185	72	42	77	90	18.5	25	2 1/2 * 2
		60	72					
		50	84					

MATCHING PUMPS AND PRODUCTS TO APPLICATION .

OPTIMISED PERFORMANCE AND RELIABILITY TO YOUR PROJECTS VIA HYPER PUMPS

#	MODEL	Head	Q	MAX Head	MAX Q	POWER		IN/OUTLET Tread / Flange (INCH)
		(m)	(m ³ /h)			(kw)	(HP)	
17	CM 50-250/220	81	42	87	90	22	30	2 1/2 * 2
		78	54					
		61	84					
18	CM 65-160/92	22	118	35	120	9.2	12	3 * 2 1/2
		25	100					
		30	70					
19	CM 65-160/110	25	120	36	120	11	15	3 * 2 1/2
		30	100					
		35	60					
20	CM 65-160/150	32	130	45	130	15	20	3 * 2 1/2
		35	100					
		40	70					
21	CM 65-200/185	40	120	55	140	18.5	25	3 * 2 1/2
		45	110					
		50	80					
22	CM 65-200/220	45	135	64	140	22	30	3 * 2 1/2
		50	120					
		60	70					
23	CM 80-160/110	26	108	27	180	11	15	4 * 3
		22	125					
		20	140					
24	CM 80-160/150	22	180	33	210	15	20	4 * 3
		25	160					
		30	120					
25	CM 80-160/185	25	200	39	210	18.5	25	4 * 3
		30	170					
		37	100					

HYPER PUMPS Equipped with High Efficiency IE3 Motor Starting From 2,2 kw UP To 22kw ,IP 55 ,F, 50 HZ

100% Copper Wire & AISI304 Shaft with Flanges and 150 Cm Testing cable.

Approval LIQUID TEMPERATURE RANGE 0-120 (0 .. 120 °C)

All with NSK Bearing, Low Noise and No Vibration.

Industrial Anti Rust in the pump and Motor.

Pair Flange like picture Both Thread and flange.

Packing : Woden Box via Carton Avoid Any Damage And Final on pallet.

Impeller AISI316 Microcasted Seal Brogman Silicon Carbide. (SIC/SIC/FPM)

All The Support You Need Via Spare Parts and After Sales Service .

Trusted Business Performance , 18 Months Quality Guarantee .

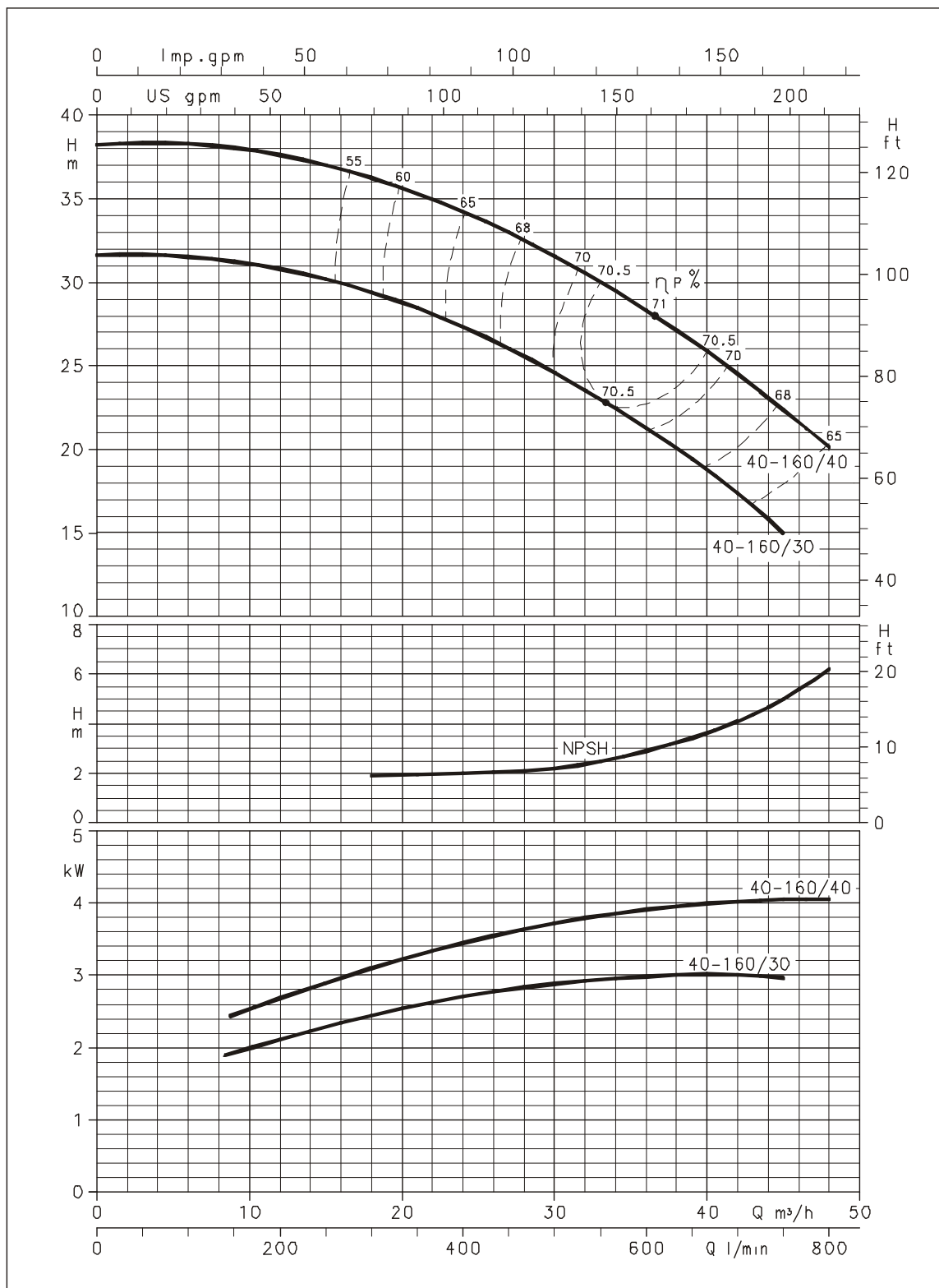


Performance Curve

MODEL 40-160/30

3 kw

2900 rpm



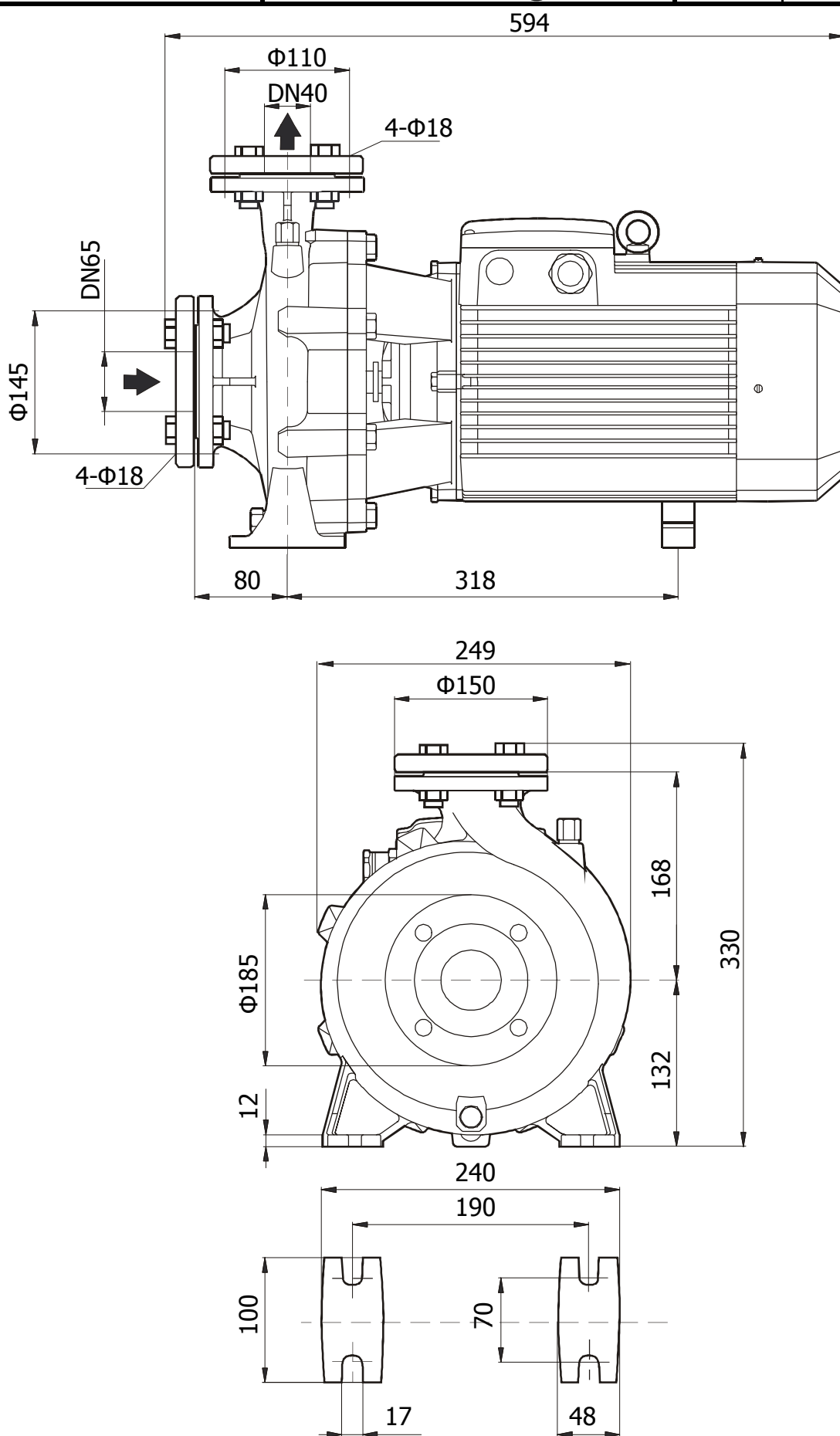
					DATA SHEET					END USER:																			
										PROJECT:																			
										Model:		40-160/30																	
Working conditions										Material																			
Rated Flow:					29 m3/h					Pump Casting:		Cast iron / ASTM No.30																	
Rated Head:					24 m					Impeller:		SUS304																	
Suction:					8 m		Speed(rpm):			2900		Motor Casting:		Aluminum															
(NPSH)a:					2 m		Eff(%):			69		Shaft:		SUS304															
Operation:					Continous					Base plate:		Carbon Steel																	
Liquid										Shaft seal																			
Liquid type: clear water										Shaft Seal Type: Mechanical Seal built-in																			
Operature temperaturer(O.T.) Max.					120 °C					Seal brand: Burgmann																			
Density:					1024 kg/m3					Material of shaft seal:																			
Hazardous:					Non					Rotation Ring: Graphit																			
Construction										Fixed Ring: SiC																			
Pump Type:					Centrifugal					O Ring:		EPDM			Spring:			SUS304											
Pump Stage:					Single					High Efficiency Electric Motor																			
Impeller type:					Closed		Mounting:			Overhung			Manufacturer: HYPER Model: MS 2-100L-2																
Shaft direction:					Horizontal					Motor Type: Total Enclosed Fan Cool, Blue Flux																			
Suction type:					Single					Power:		3 kw			Motor Pole:			2 P											
Casing type:					Single volute					Voltage:		380 V			Speed:			2900 rpm											
Casing Mounting:					Foot					Phase:		3			Frequency:			50 Hz											
Casing Split:					Radial					IP class:		IP 55			Explosive-proof:			Non											
Design Press.: 1.60MPa					Hydro test Press.: 2.40MPa					Insulation:		F			Bearing:														
Rotation(From motor side):										CW										Pump Weight									
Flange		Size		Flange		Seal face		Direction		Gross Weight: kg 56 Net Weight: kg 52																			
ANSI		mm		Class		type		Position		Equip SS304 impeller: 																			
Suction		DN65		150#		RF		End																					
Discharge		DN40		150#		RF		Top																					
Axial force balance:					Balance hole																								
Bearing type:					Radial rolling bearing																								
Lubrication:					Oil		Drive:			Direct																			

Dimensional Drawing

END USER:

PROJECT:

Model: 40-160/30

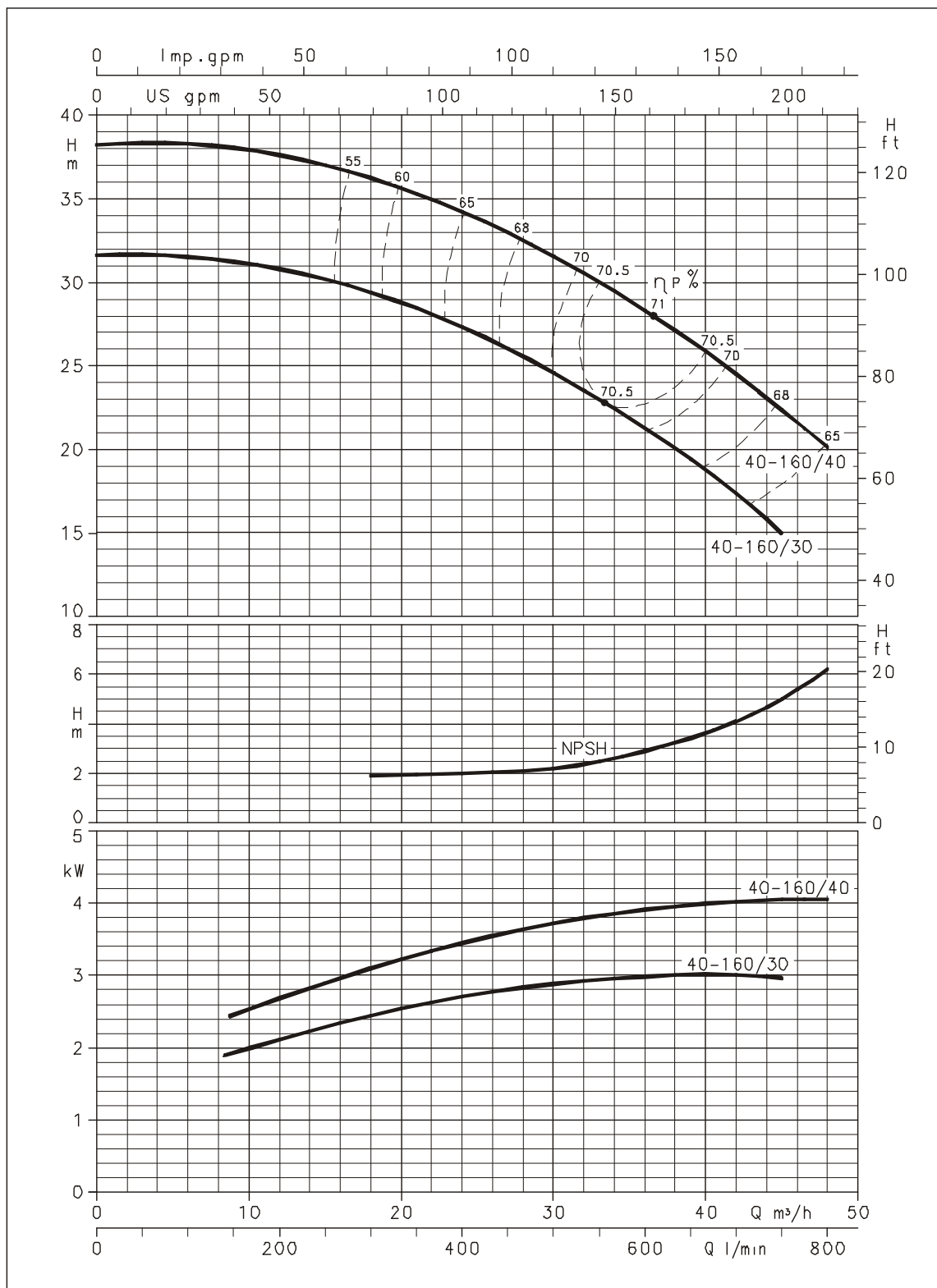


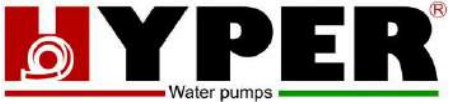
Performance Curve

MODEL 40-160/40

4 kw

2900 rpm



		DATA SHEET		END USER:	
				PROJECT:	
				Model:	40-160/40
Working conditions				Material	
Rated Flow:		35 m3/h		Pump Casting:	Cast iron / ASTM No.30
Rated Head:		29 m		Impeller:	SUS304
Suction:	8 m	Speed(rpm):	2900	Motor Casting:	Aluminum
(NPSH)a:	2.5 m	Eff(%):	70	Shaft:	SUS304
Operation:		Continuous		Base plate:	Carbon Steel
Liquid				Shaft seal	
Liquid type: clear water				Shaft Seal Type: Mechanical Seal built-in	
Operature temperaturer(O.T.) Max.		120 °C		Seal brand: Burgmann	
Density:		1024 kg/m3		Material of shaft seal:	
Hazardous:		Non		Rotation Ring: Graphit	
Construction				Fixed Ring: SiC	
Pump Type:		Centrifugal		O Ring:	EPDM
Pump Stage:		Single		Spring:	SUS304
Impeller type:		Closed	Mounting:	High Efficiency Electric Motor	
Shaft direction:		Horizontal		Manufacturer:	HYPER Model: MS 2-100L-2-L
Suction type:		Single		Motor Type:	Total Enclosed Fan Cool, Blue Flux
Casing type:		Single volute		Power:	4 kw
Casing Mounting:		Foot		Motor Pole:	2 P
Casing Split:		Radial		Voltage:	380 V
Design Press.: 1.60MPa		Hydro test Press.: 2.40MPa		Speed:	2900 rpm
Rotation(From motor side):		CW		Phase:	3
				Frequency:	50 Hz
Flange	Size	Flange	Seal face	Direction	IP class: IP 55
ANSI	mm	Class	type	Position	Explosive-proof: Non
Suction	DN65	150#	RF	End	Insulation: F
Discharge	DN40	150#	RF	Top	Bearing: 
Axial force balance:		Balance hole		Pump Weight	
Bearing type:		Radial rolling bearing		Gross Weight: kg 59 Net Weight: kg 54	
Lubrication:		Oil	Drive:	Direct	
				Equip SS304 impeller:	
					

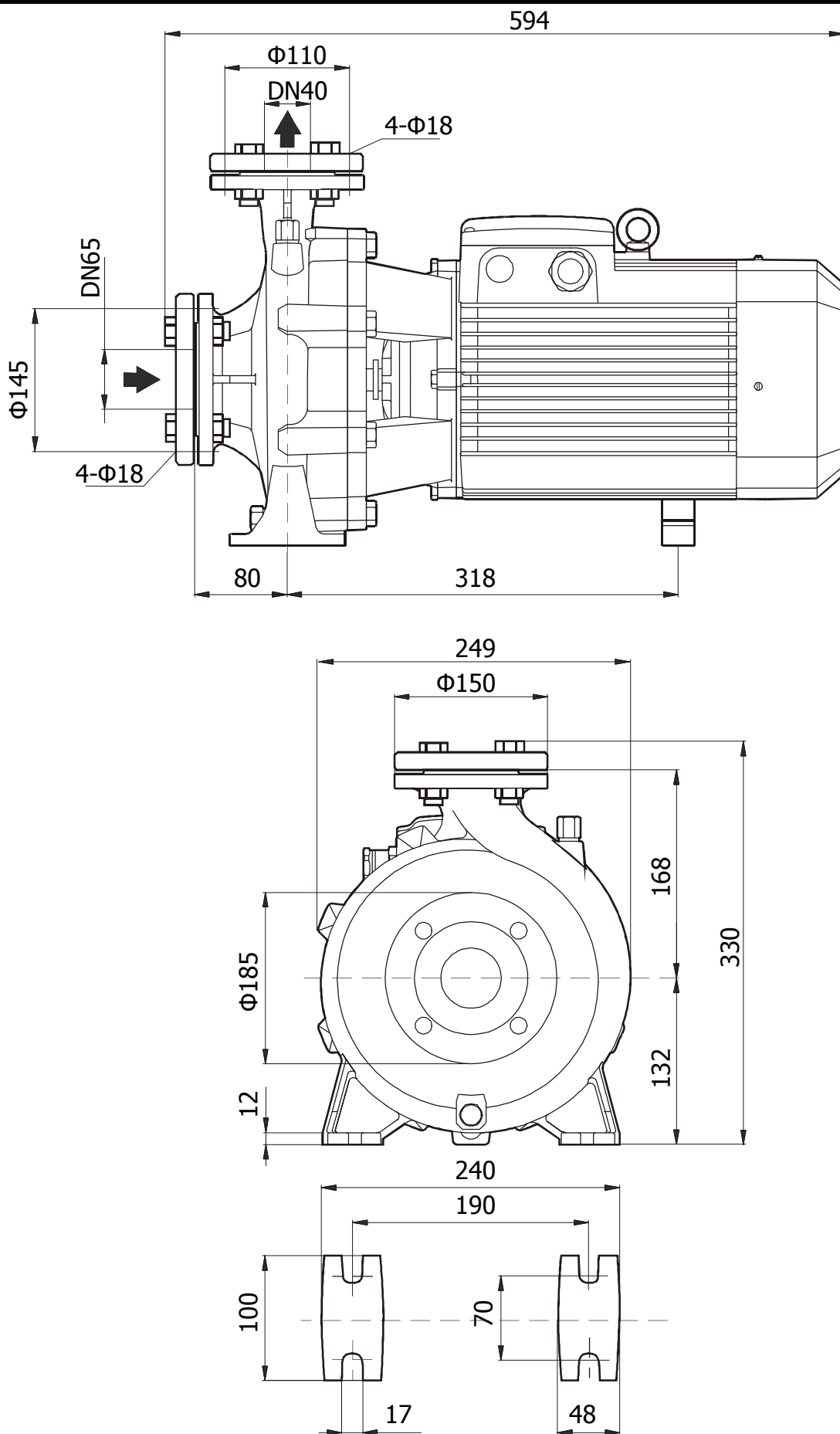
Dimensional Drawing

END USER:

PROJECT:

Model:

40-160/40

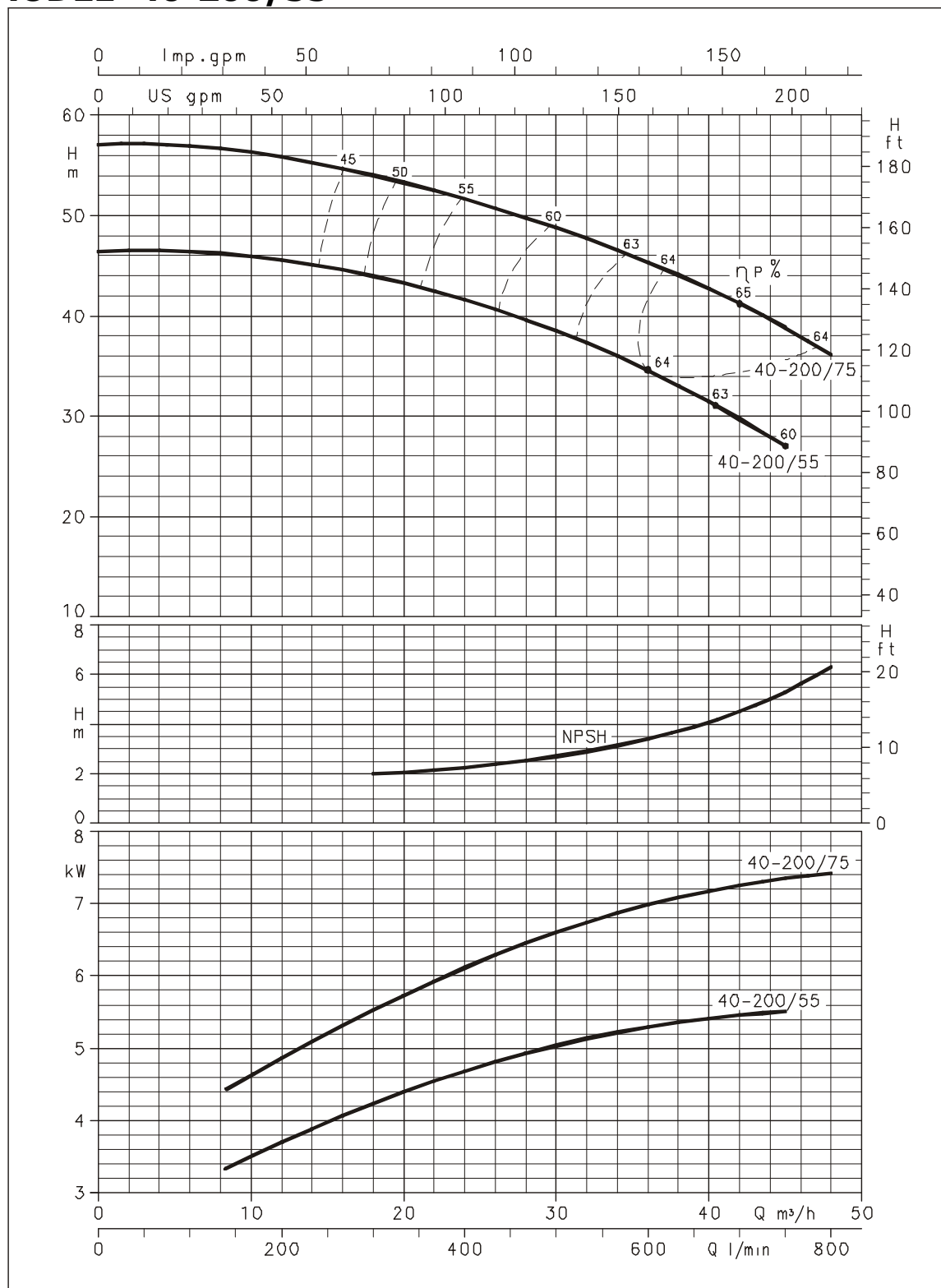


Performance Curve

MODEL 40-200/55

5.5 kw

2900 rpm



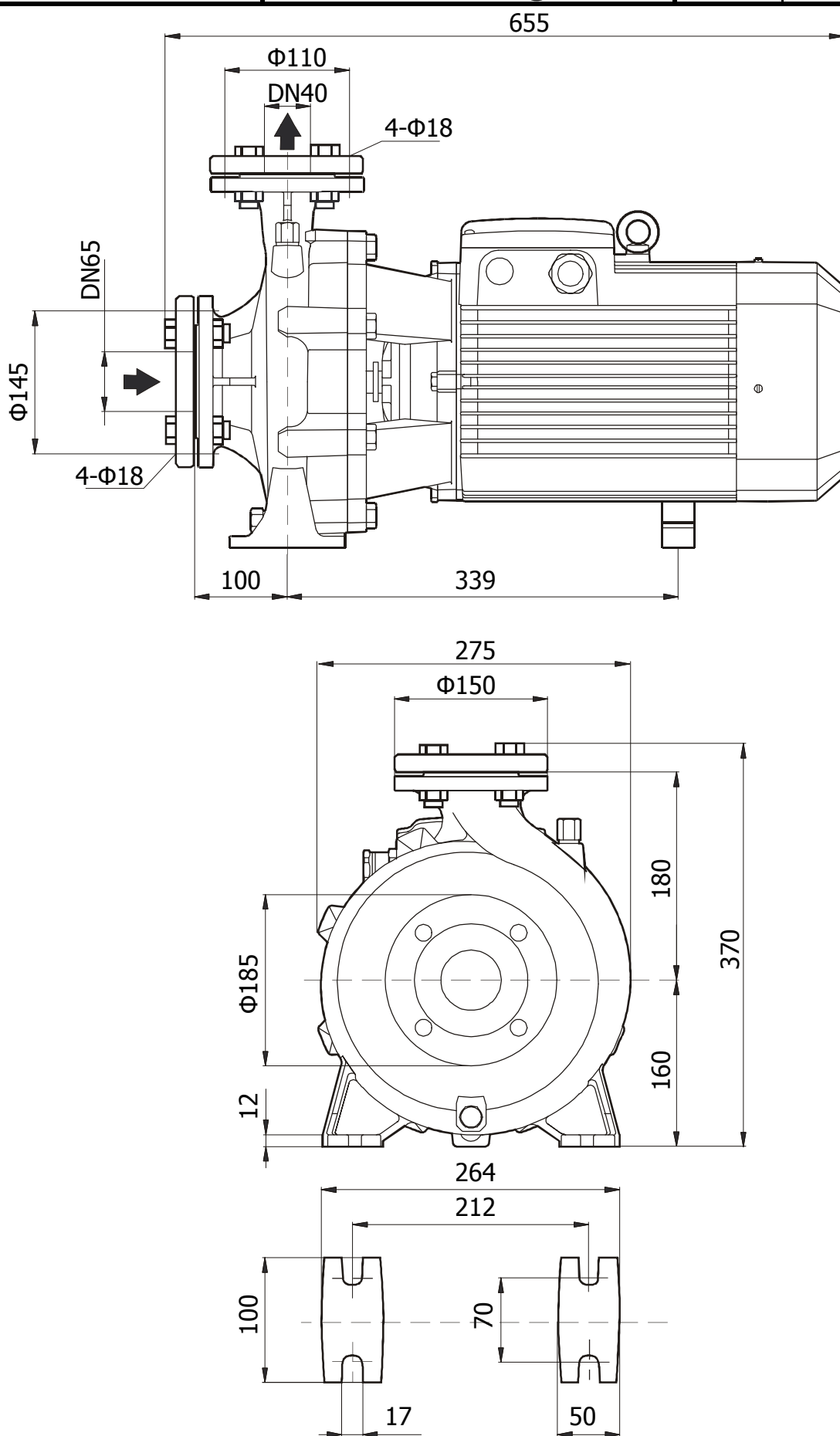
					DATA SHEET					END USER:														
										PROJECT:														
										Model:		40-200/55												
Working conditions										Material														
Rated Flow:					29 m3/h					Pump Casting:		Cast iron / ASTM No.30												
Rated Head:					39 m					Impeller:		SUS304												
Suction:			8 m		Speed(rpm):			2900		Motor Casting:		Aluminum												
(NPSH)a:			2.5 m		Eff(%):			61		Shaft:		SUS304												
Operation:					Continous					Base plate:		Carbon Steel												
Liquid										Shaft seal														
Liquid type: clear water										Shaft Seal Type:					Mechanical Seal		built-in							
Operature temperaturer(O.T.) Max.					120 °C					Seal brand:					Burgmann									
Density:					1024 kg/m3					Material of shaft seal:														
Hazardous:					Non					Rotation Ring:					Graphit									
Construction										Fixed Ring:					SiC									
Pump Type:					Centrifugal					O Ring:		EPDM		Spring:		SUS304								
Pump Stage:					Single					High Efficiency Electric Motor														
Impeller type:					Closed		Mounting:			Overhung		Manufacturer:					HYPER		Model:		MS 2-112M-2-L			
Shaft direction:					Horizontal					Motor Type:					Total Enclosed Fan Cool, Blue Flux									
Suction type:					Single					Power:		5.5 kw		Motor Pole:		2 P								
Casing type:					Single volute					Voltage:		380 V		Speed:		2900 rpm								
Casing Mounting:					Foot					Phase:		3		Frequency:		50 Hz								
Casing Split:					Radial					IP class:		IP 55		Explosive-proof:		Non								
Design Press.: 1.60MPa					Hydro test Press.: 2.40MPa					Insulation:		F		Bearing:										
Rotation(From motor side):										CW					Pump Weight									
Flange		Size		Flange		Seal face		Direction		Gross Weight: kg 72					Net Weight: kg 67									
ANSI		mm		Class		type		Position		Equip SS304 impeller:														
Suction		DN65		150#		RF		End																
Discharge		DN40		150#		RF		Top																
Axial force balance:					Balance hole																			
Bearing type:					Radial rolling bearing																			
Lubrication:			Oil		Drive:		Direct																	

Dimensional Drawing

END USER:

PROJECT:

Model: 40-200/55

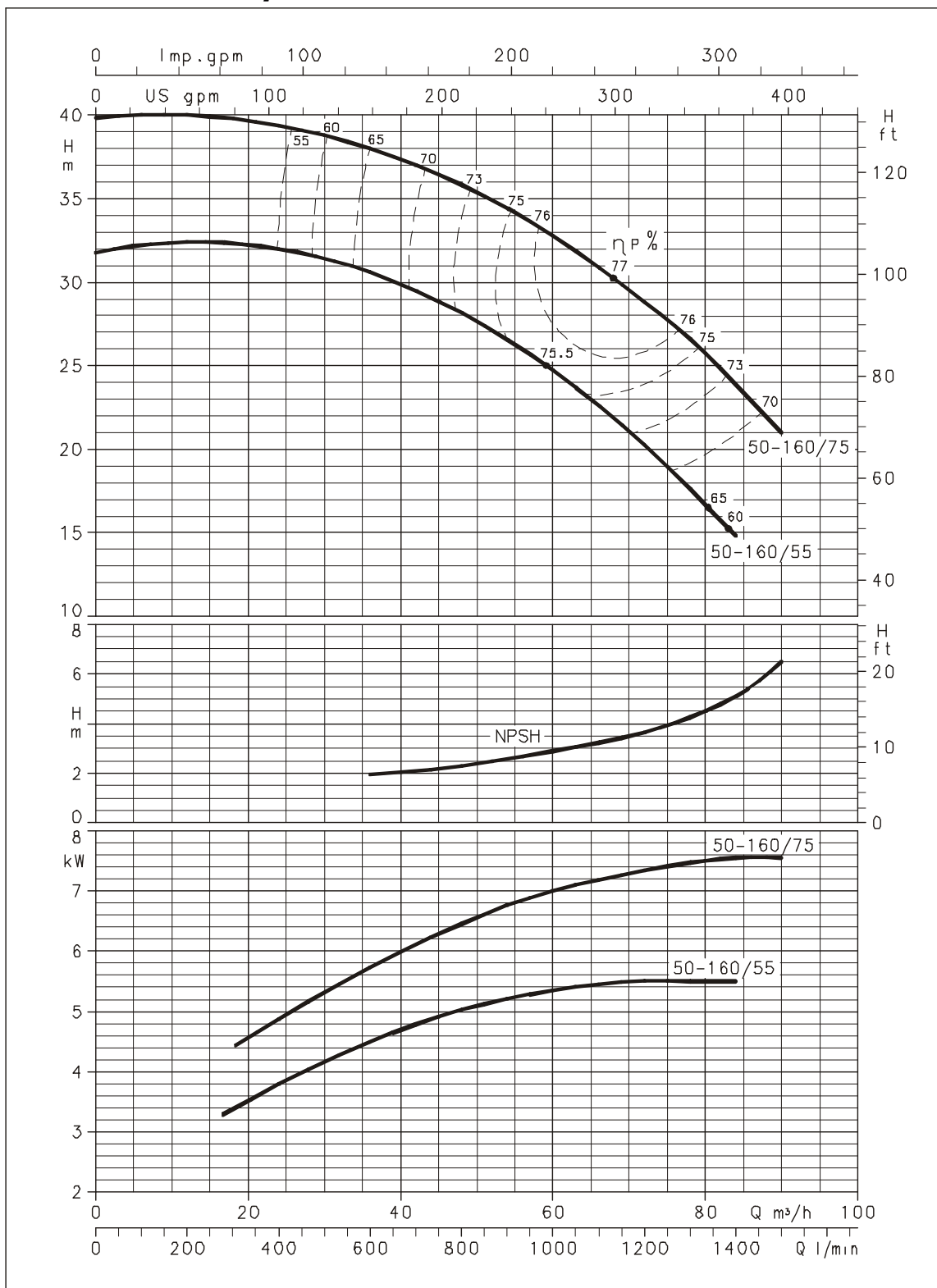


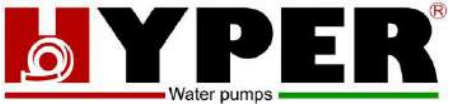
Performance Curve

MODEL 50-160/55

5.5 kw

2900 rpm



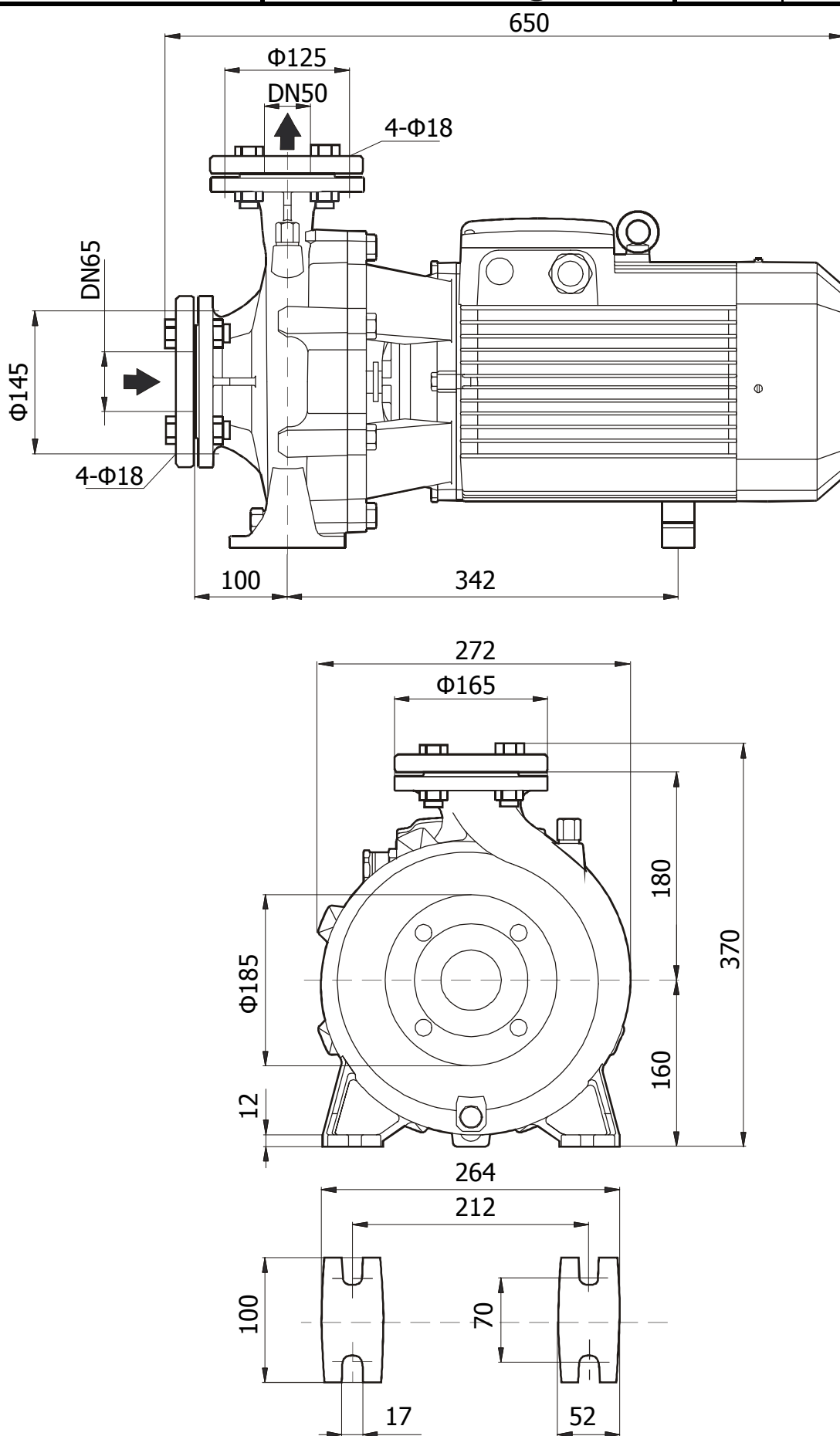
					DATA SHEET					END USER:									
					PROJECT:														
					Model:					50-160/55									
Working conditions										Material									
Rated Flow: 50 m3/h										Pump Casting: Cast iron / ASTM No.30									
Rated Head: 27 m										Impeller: SUS304									
Suction: 8 m					Speed(rpm): 2900					Motor Casting: Aluminum									
(NPSH)a: 2.5 m					Eff(%): 74					Shaft: SUS304									
Operation: Continuous										Base plate: Carbon Steel									
Liquid										Shaft seal									
Liquid type: clear water										Shaft Seal Type: Mechanical Seal built-in									
Operature temperaturer(O.T.) Max. 120 °C										Seal brand: Burgmann									
Density: 1024 kg/m3										Material of shaft seal:									
Hazardous: Non										Rotation Ring: Graphit									
Construction										Fixed Ring: SiC									
Pump Type: Centrifugal										O Ring: EPDM					Spring: SUS304				
Pump Stage: Single										High Efficiency Electric Motor									
Impeller type: Closed Mounting: Overhung										Manufacturer: HYPER Model: MS 2-112M-2-L									
Shaft direction: Horizontal										Motor Type: Total Enclosed Fan Cool, Blue Flux									
Suction type: Single										Power: 5.5 kw					Motor Pole: 2 P				
Casing type: Single volute										Voltage: 380 V					Speed: 2900 rpm				
Casing Mounting: Foot										Phase: 3					Frequency: 50 Hz				
Casing Split: Radial										IP class: IP 55					Explosive-proof: Non				
Design Press.: 1.60MPa Hydro test Press.: 2.40MPa										Insulation: F					Bearing: 				
Rotation(From motor side): CW										Pump Weight									
Flange		Size		Flange		Seal face		Direction		Gross Weight: kg 75					Net Weight: kg 70				
ANSI		mm		Class		type		Position		Equip SS304 impeller: 									
Suction		DN65		150#		RF		End											
Discharge		DN50		150#		RF		Top											
Axial force balance: Balance hole																			
Bearing type: Radial rolling bearing																			
Lubrication: Oil					Drive: Direct														

Dimensional Drawing

END USER:

PROJECT:

Model: 50-160/55

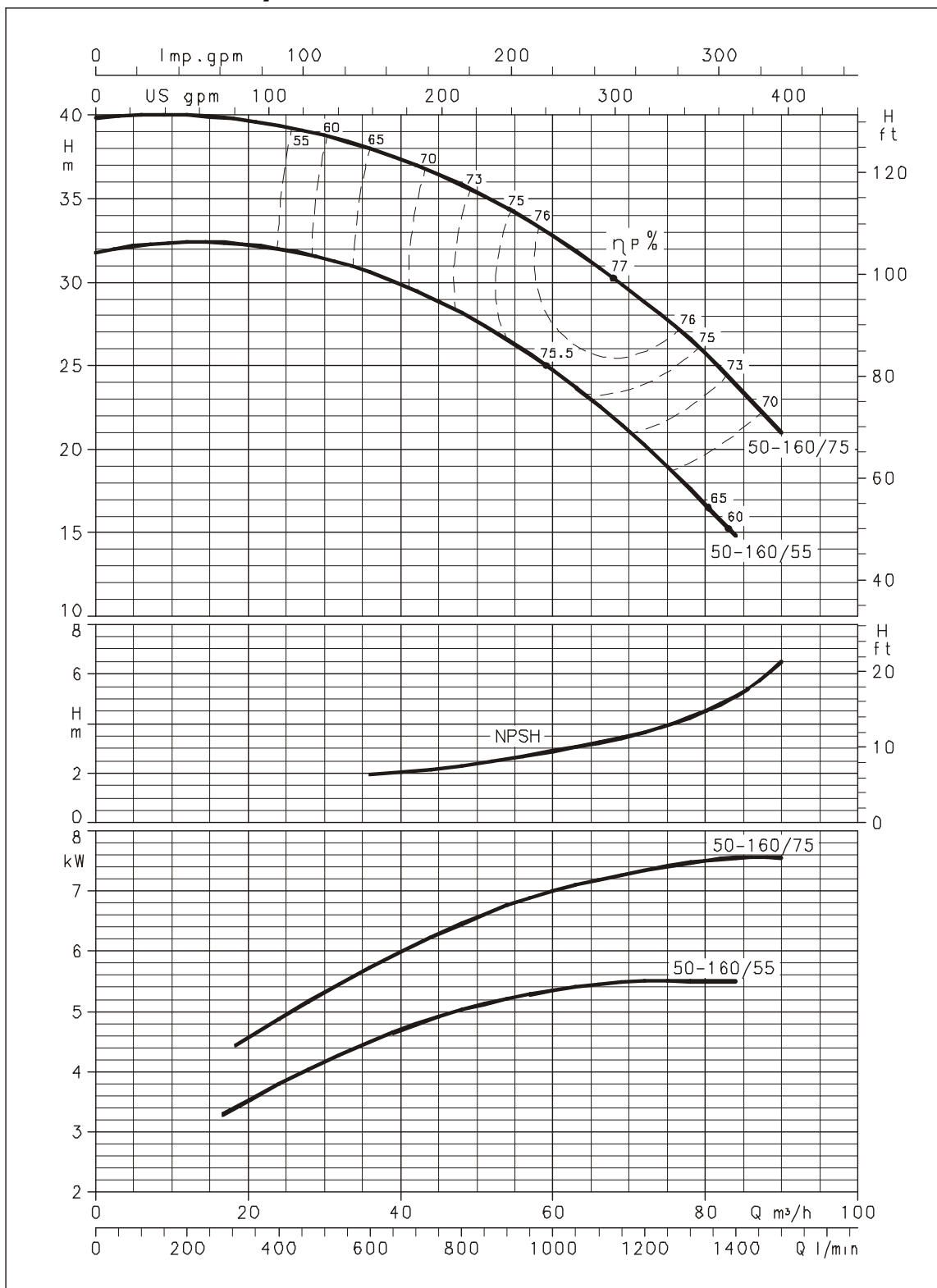


Performance Curve

MODEL 50-160/75

7.5 kw

2900 rpm



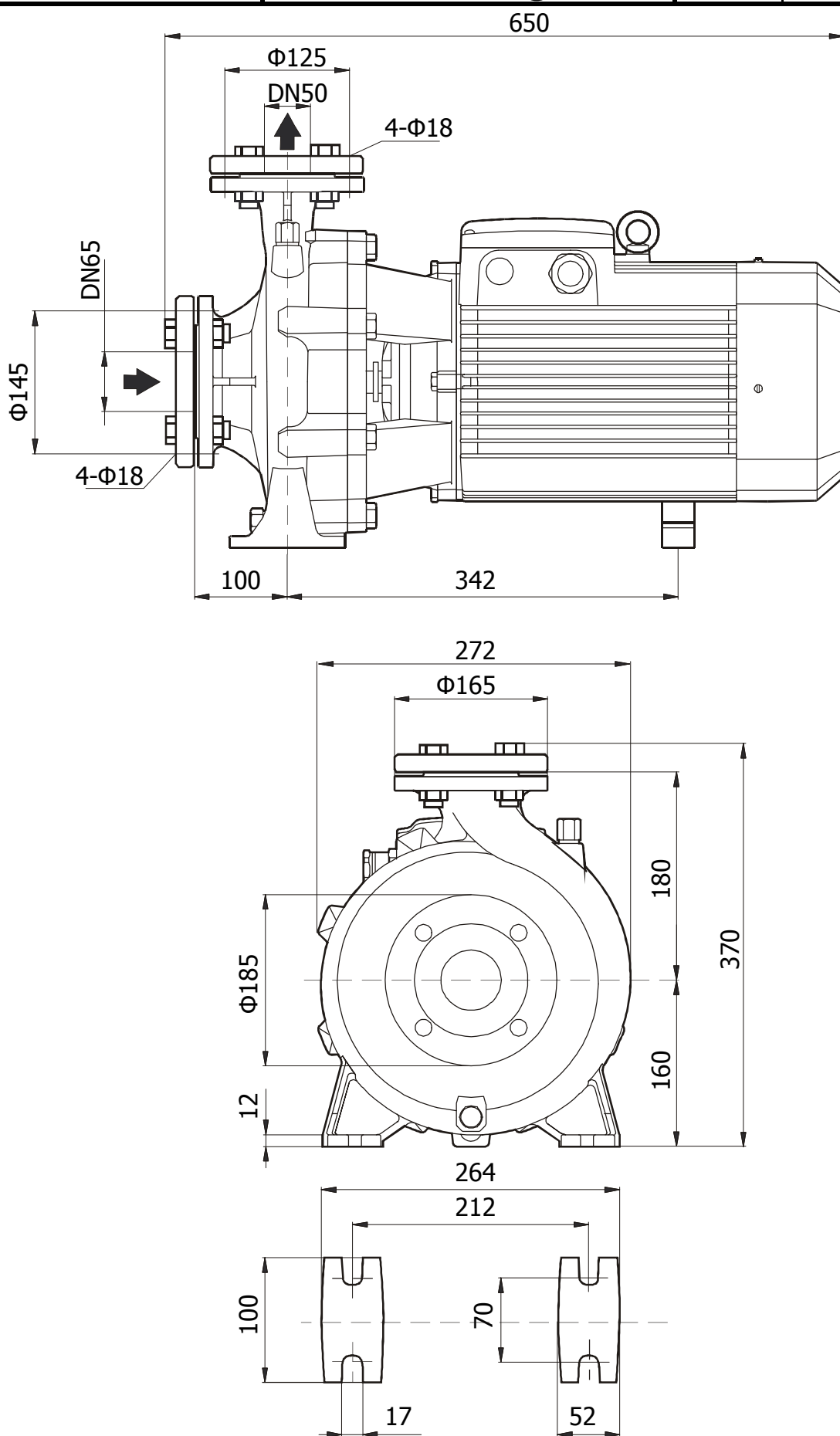
		DATA SHEET			END USER:	
					PROJECT:	
					Model:	50-160/75
Working conditions					Material	
Rated Flow: 60 m3/h					Pump Casting: Cast iron / ASTM No.30	
Rated Head: 32.5 m					Impeller: SUS304	
Suction: 8 m		Speed(rpm): 2900			Motor Casting: Aluminum	
(NPSH)a: 3 m		Eff(%): 76			Shaft: SUS304	
Operation: Continuous					Base plate: Carbon Steel	
Liquid					Shaft seal	
Liquid type: clear water					Shaft Seal Type: Mechanical Seal built-in	
Operature temperaturer(O.T.) Max. 120 °C					Seal brand: Burgmann	
Density: 1024 kg/m3					Material of shaft seal:	
Hazardous: Non					Rotation Ring: Graphit	
Construction					Fixed Ring: SiC	
Pump Type: Centrifugal					O Ring: EPDM Spring: SUS304	
Pump Stage: Single					High Efficiency Electric Motor	
Impeller type: Closed Mounting: Overhung					Manufacturer: HYPER Model: MS 2-112L-2-L	
Shaft direction: Horizontal					Motor Type: Total Enclosed Fan Cool, Blue Flux	
Suction type: Single					Power: 7.5 kw Motor Pole: 2 P	
Casing type: Single volute					Voltage: 380 V Speed: 2900 rpm	
Casing Mounting: Foot					Phase: 3 Frequency: 50 Hz	
Casing Split: Radial					IP class: IP 55 Explosive-proof: Non	
Design Press.: 1.60MPa Hydro test Press.: 2.40MPa					Insulation: F Bearing: 	
Rotation(From motor side): CW					Pump Weight	
Flange	Size	Flange	Seal face	Direction	Gross Weight: kg 82 Net Weight: kg 77	
ANSI	mm	Class	type	Position	Equip SS304 impeller: 	
Suction	DN65	150#	RF	End		
Discharge	DN50	150#	RF	Top		
Axial force balance: Balance hole						
Bearing type: Radial rolling bearing						
Lubrication: Oil		Drive: Direct				

Dimensional Drawing

END USER:

PROJECT:

Model: 50-160/75

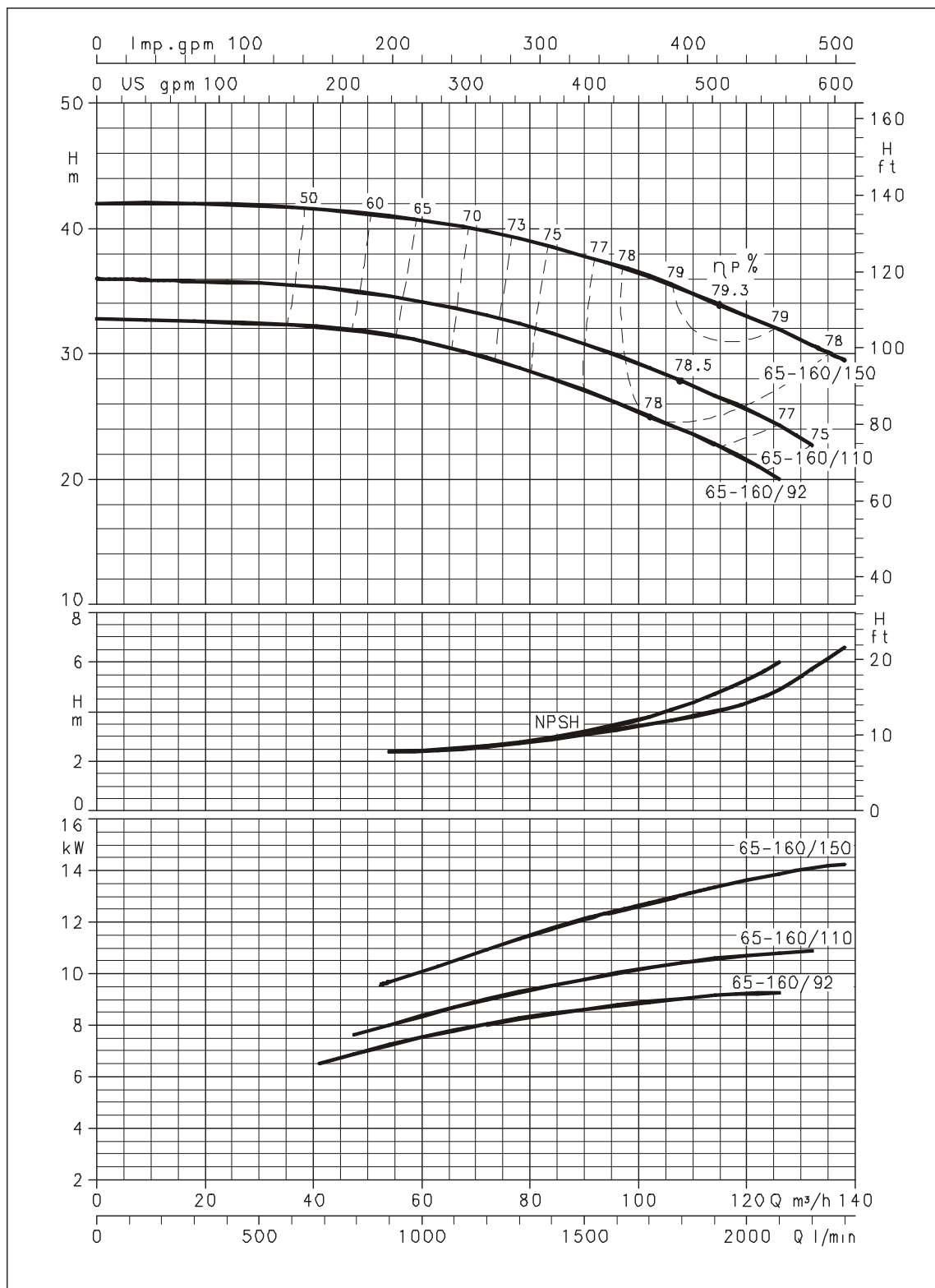


Performance Curve

MODEL 65-160/92

9.2 kw

2900 rpm





DATA SHEET

END USER:

PROJECT:

Model: 65-160/92

Working conditions

Rated Flow: 62 m³/h

Rated Head: 30 m

Suction: 8 m

(NPSH)_a: 2.5 m

Operation: Continuous

Speed(rpm): 2900

Eff(%): 67

Liquid

Liquid type: clear water

Operature temperaturer(O.T.) Max. 120 °C

Density: 1024 kg/m³

Hazardous: Non

Construction

Pump Type: Centrifugal

Pump Stage: Single

Impeller type: Closed Mounting: Overhung

Shaft direction: Horizontal

Suction type: Single

Casing type: Single volute

Casing Mounting: Foot

Casing Split: Radial

Design Press.: 1.60MPa Hydro test Press.: 2.40MPa

Rotation(From motor side): CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN80	150#	RF	End
Discharge	DN65	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting: Cast iron / ASTM No.30

Impeller: SUS304

Motor Casting: Cast iron / ASTM No.30

Shaft: SUS304

Base plate: Carbon Steel

Shaft seal

Shaft Seal Type: Mechanical Seal built-in

Seal brand: Burgmann

Material of shaft seal:

Rotation Ring: Graphit

Fixed Ring: SiC

O Ring: EPDM Spring: SUS304

High Efficiency Electric Motor

Manufacturer: HYPER Model: MS 2-160M1-2-S

Motor Type: Total Enclosed Fan Cool, Blue Flux

Power: 9.2 kw Motor Pole: 2 P

Voltage: 380 V Speed: 2900 rpm

Phase: 3 Frequency: 50 Hz

IP class: IP 55 Explosive-proof: Non

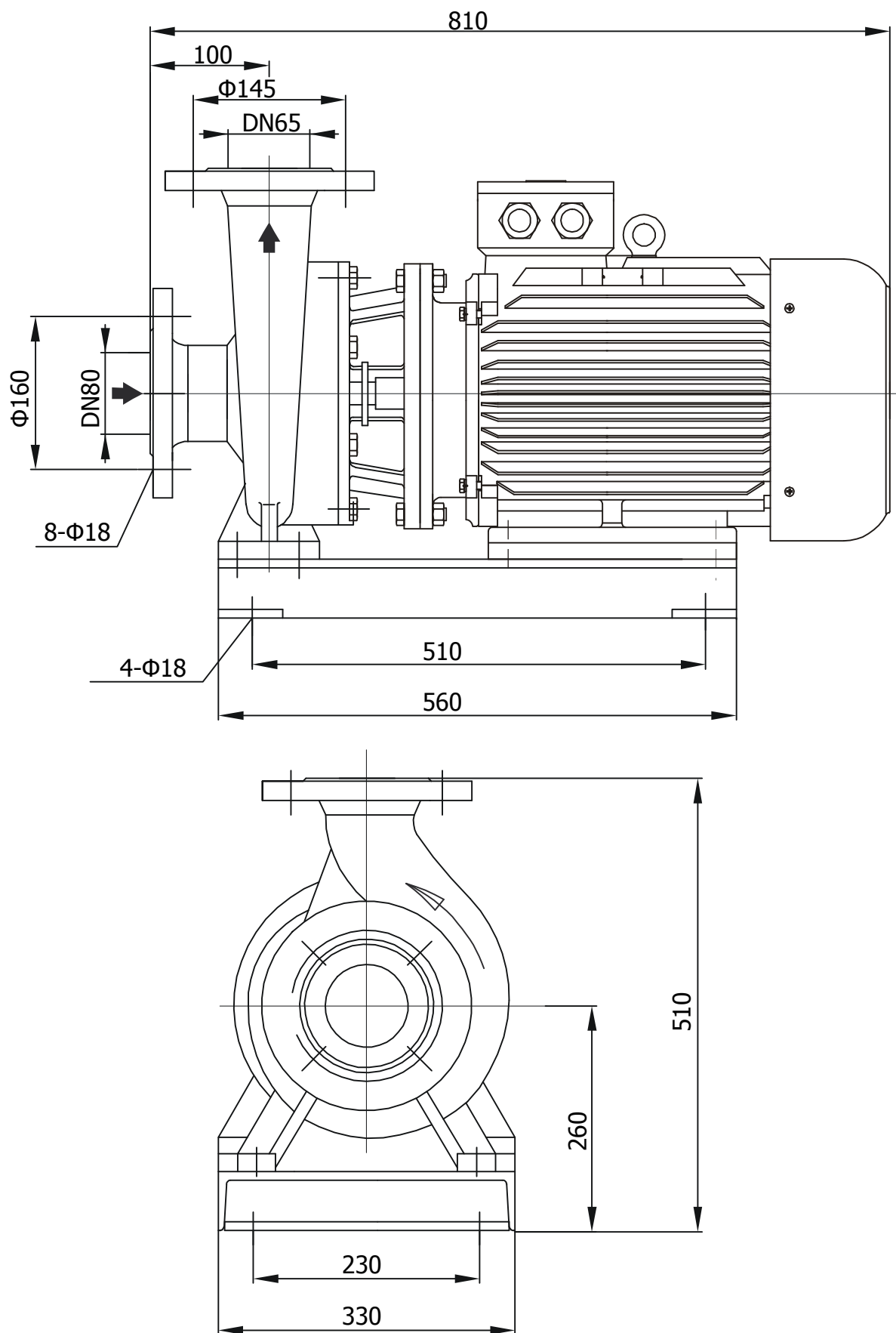
Insulation: F Bearing: 

Pump Weight

Gross Weight: kg 172 Net Weight: kg 157

Equip SS304 impeller:



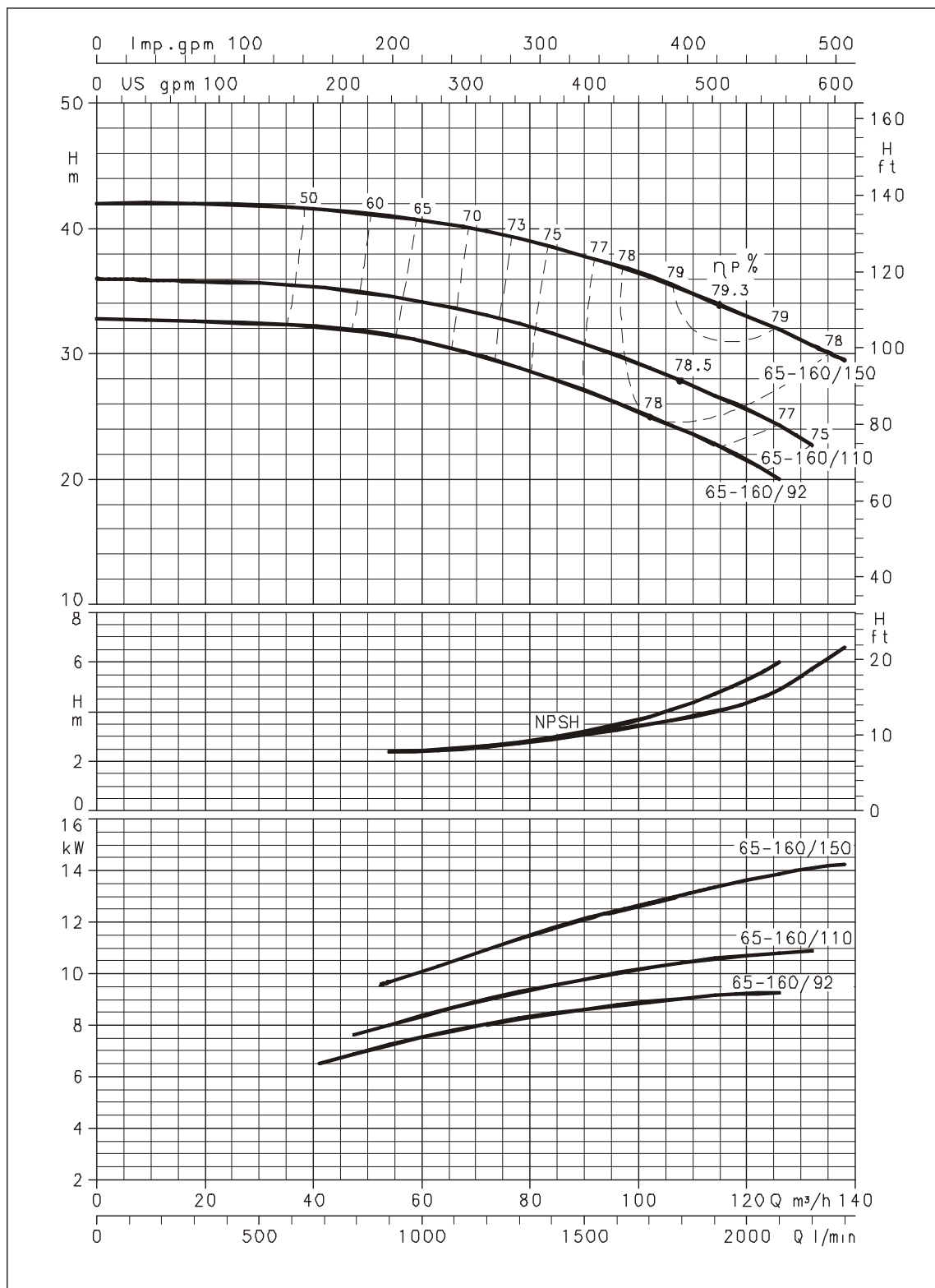


Performance Curve

MODEL 65-160/110

11 kw

2900 rpm



DATA SHEET

END USER:

PROJECT:

Model: 65-160/110

Working conditions

Rated Flow:	74 m3/h
Rated Head:	33 m
Suction:	8 m
(NPSH)a:	2.5 m
Operation:	Continuous
Speed(rpm):	2900
Eff(%):	73

Liquid

Liquid type:	clear water
Operature temperaturer(O.T.) Max.	120 °C
Density:	1024 kg/m3
Hazardous:	Non

Construction

Pump Type:	Centrifugal
Pump Stage:	Single
Impeller type:	Closed
Mounting:	Overhung
Shaft direction:	Horizontal
Suction type:	Single
Casing type:	Single volute
Casing Mounting:	Foot
Casing Split:	Radial
Design Press.: 1.60MPa	Hydro test Press.: 2.40MPa
Rotation(From motor side):	CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN80	150#	RF	End
Discharge	DN65	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting:	Cast iron / ASTM No.30
Impeller:	SUS304
Motor Casting:	Cast iron / ASTM No.30
Shaft:	SUS304
Base plate:	Carbon Steel

Shaft seal

Shaft Seal Type:	Mechanical Seal	built-in
Seal brand:	Burgmann	
Material of shaft seal:		
Rotation Ring:	Graphit	

Fixed Ring:	SiC
O Ring:	EPDM
Spring:	SUS304

High Efficiency Electric Motor

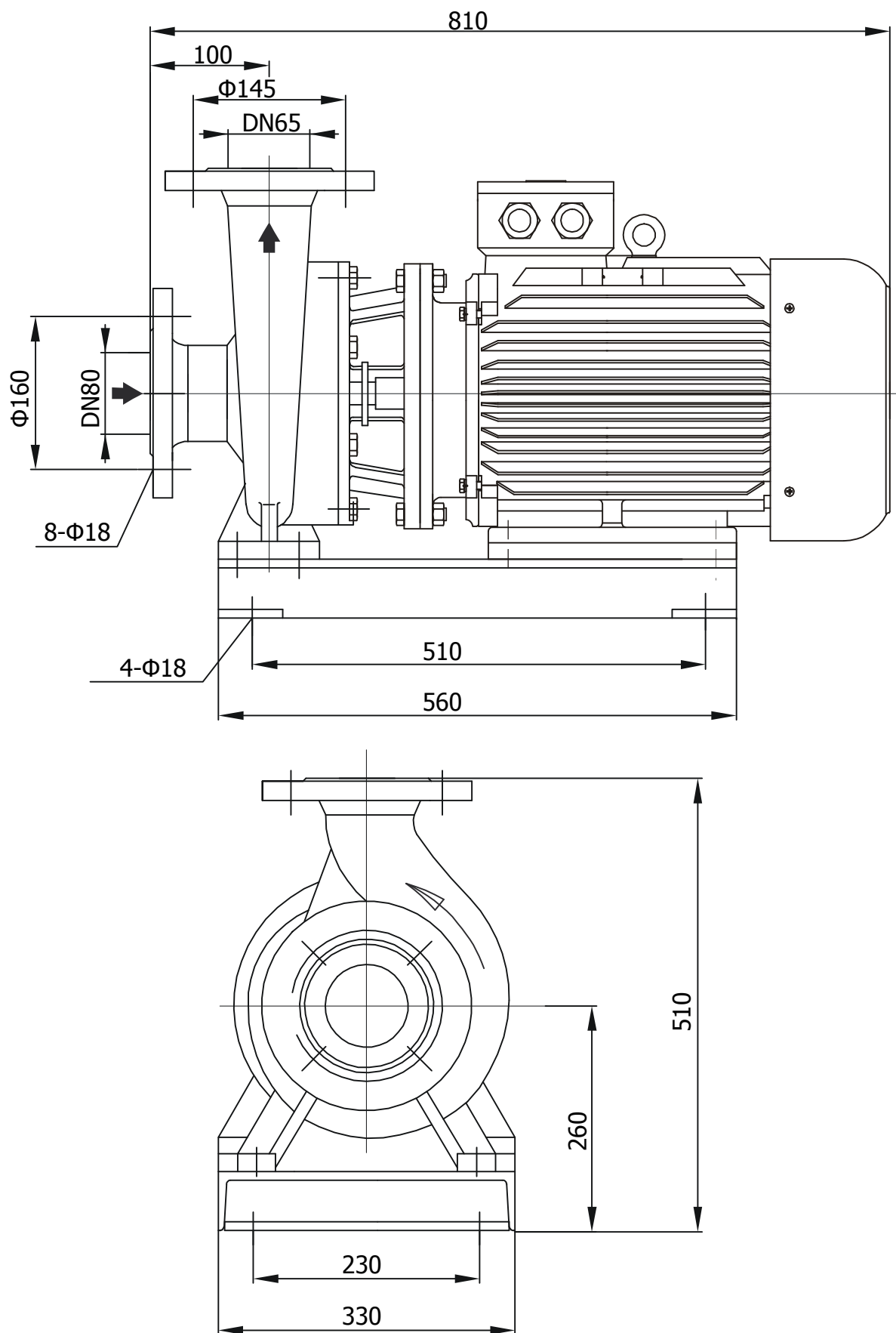
Manufacturer:	HYPER	Model:	MS 2-160M1-2
Motor Type:	Total Enclosed Fan Cool, Blue Flux		
Power:	11 kw	Motor Pole:	2 P
Voltage:	380 V	Speed:	2900 rpm
Phase:	3	Frequency:	50 Hz
IP class:	IP 55	Explosive-proof:	Non
Insulation:	F	Bearing:	NSK

Pump Weight

Gross Weight: kg 182 Net Weight: kg 167

Equip SS304 impeller:



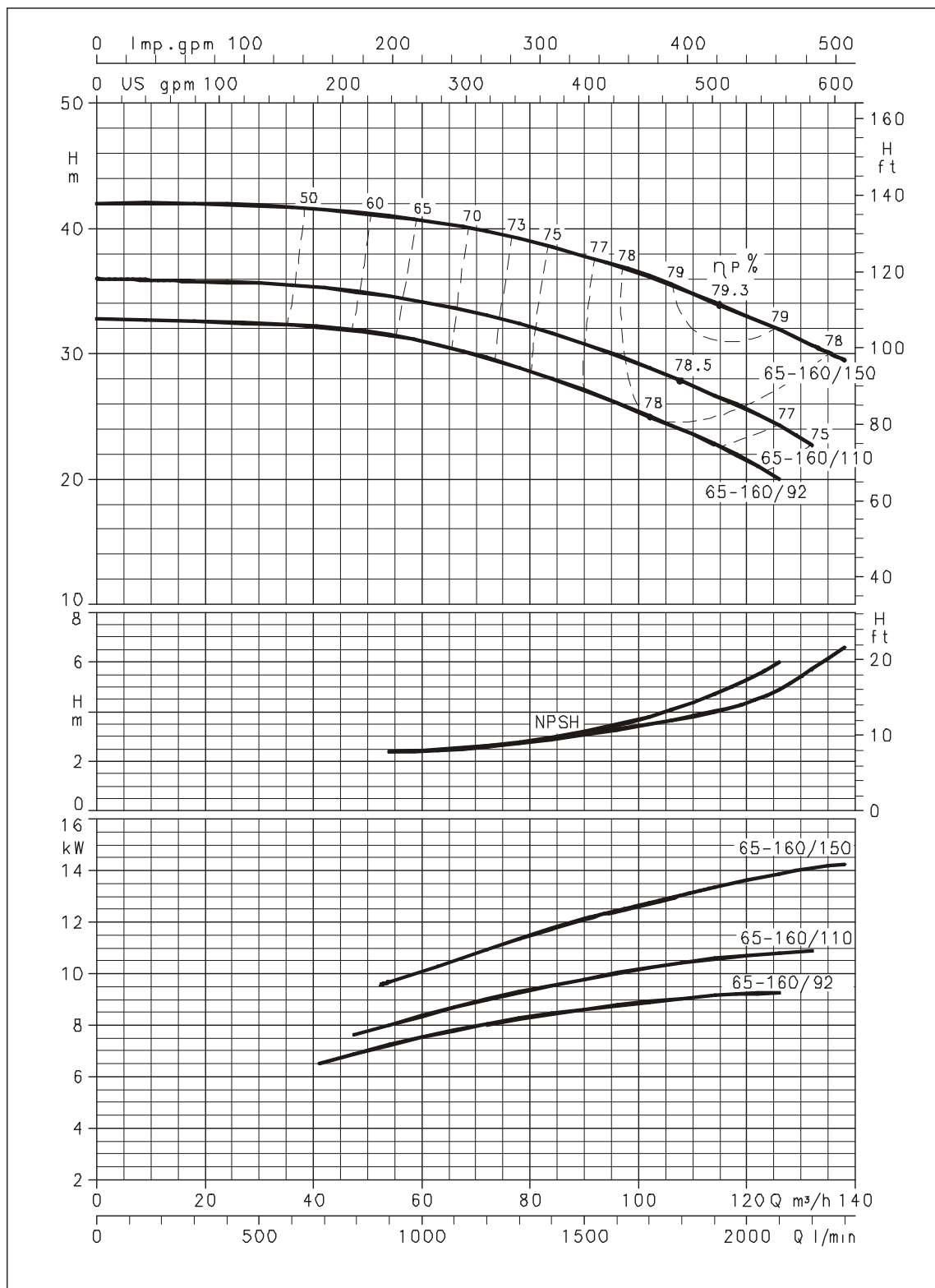


Performance Curve

MODEL 65-160/150

15 kw

2900 rpm





DATA SHEET

END USER:

PROJECT:

Model: 65-160/150

Working conditions

Rated Flow: 85 m³/h

Rated Head: 38 m

Suction: 8 m

(NPSH)_a: 3 m

Operation: Continuous

Speed(rpm): 2900

Eff(%): 75

Liquid

Liquid type: clear water

Operature temperaturer(O.T.) Max. 120 °C

Density: 1024 kg/m³

Hazardous: Non

Construction

Pump Type: Centrifugal

Pump Stage: Single

Impeller type: Closed Mounting: Overhung

Shaft direction: Horizontal

Suction type: Single

Casing type: Single volute

Casing Mounting: Foot

Casing Split: Radial

Design Press.: 1.60MPa Hydro test Press.: 2.40MPa

Rotation(From motor side): CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN80	150#	RF	End
Discharge	DN65	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting: Cast iron / ASTM No.30

Impeller: SUS304

Motor Casting: Cast iron / ASTM No.30

Shaft: SUS304

Base plate: Carbon Steel

Shaft seal

Shaft Seal Type: Mechanical Seal built-in

Seal brand: Burgmann

Material of shaft seal:

Rotation Ring: Graphit

Fixed Ring: SiC

O Ring: EPDM Spring: SUS304

High Efficiency Electric Motor

Manufacturer: HYPER Model: MS 2-160M2-2

Motor Type: Total Enclosed Fan Cool, Blue Flux

Power: 15 kw Motor Pole: 2 P

Voltage: 380 V Speed: 2900 rpm

Phase: 3 Frequency: 50 Hz

IP class: IP 55 Explosive-proof: Non

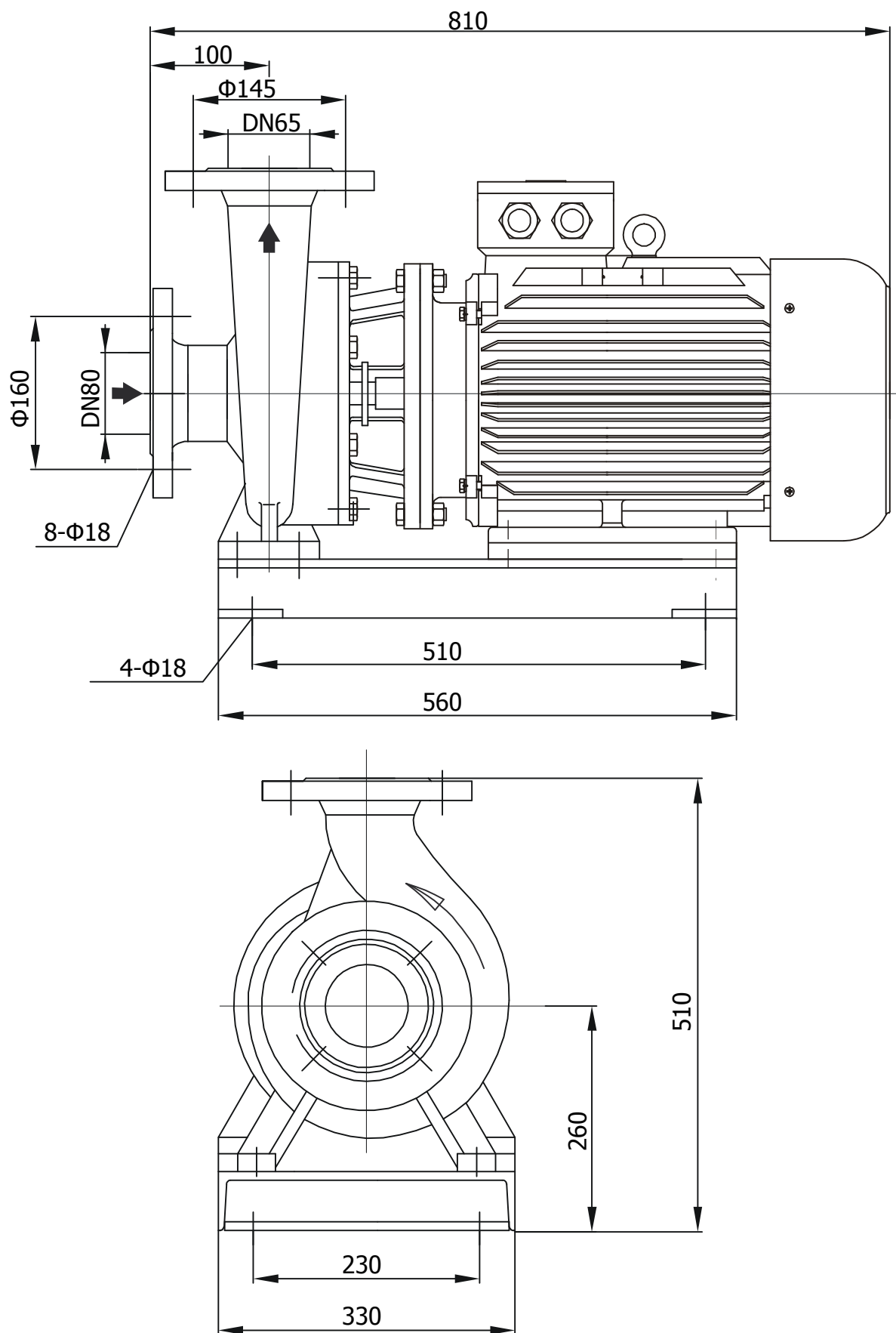
Insulation: F Bearing: 

Pump Weight

Gross Weight: kg 192 Net Weight: kg 177

Equip SS304 impeller:



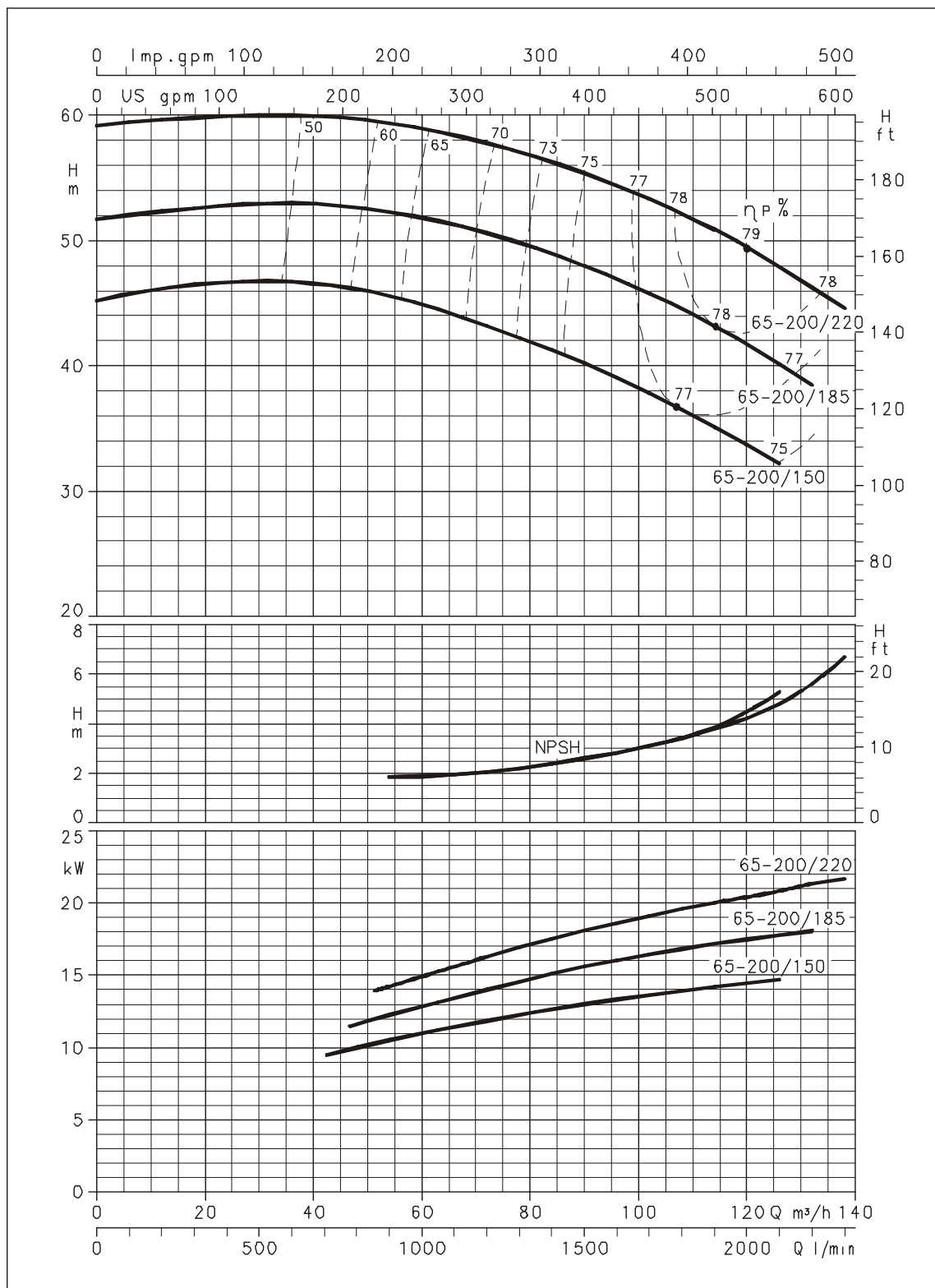


Performance Curve

MODEL 65-200/185

18.5 kw

2900 rpm





DATA SHEET

END USER:

PROJECT:

Model: 65-200/185

Working conditions

Rated Flow: 74 m³/h

Rated Head: 50 m

Suction: 8 m

Speed(rpm): 2900

(NPSH)_a: 2 m

Eff(%): 71

Operation: Continuous

Liquid

Liquid type: clear water

Operature temperaturer(O.T.) Max. 120 °C

Density: 1024 kg/m³

Hazardous: Non

Construction

Pump Type: Centrifugal

Pump Stage: Single

Impeller type: Closed Mounting: Overhung

Shaft direction: Horizontal

Suction type: Single

Casing type: Single volute

Casing Mounting: Foot

Casing Split: Radial

Design Press.: 1.60MPa Hydro test Press.: 2.40MPa

Rotation(From motor side): CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN80	150#	RF	End
Discharge	DN65	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting: Cast iron / ASTM No.30

Impeller: SUS304

Motor Casting: Cast iron / ASTM No.30

Shaft: SUS304

Base plate: Carbon Steel

Shaft seal

Shaft Seal Type: Mechanical Seal built-in

Seal brand: Burgmann

Material of shaft seal:

Rotation Ring: Graphit

Fixed Ring: SiC

O Ring: EPDM Spring: SUS304

High Efficiency Electric Motor

Manufacturer: HYPER Model: MS 2-160L-2

Motor Type: Total Enclosed Fan Cool, Blue Flux

Power: 18.5 kw Motor Pole: 2 P

Voltage: 380 V Speed: 2900 rpm

Phase: 3 Frequency: 50 Hz

IP class: IP 55 Explosive-proof: Non

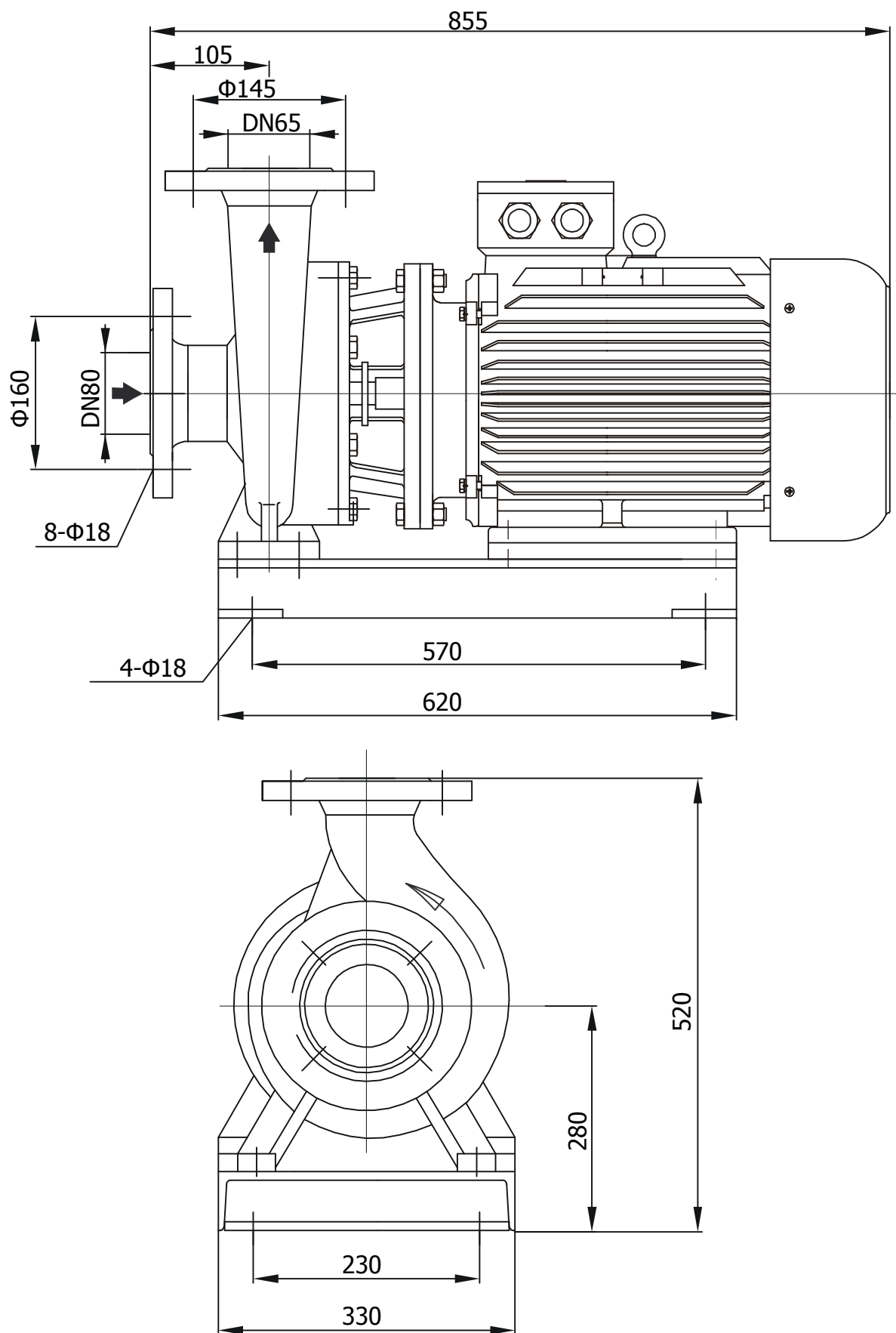
Insulation: F Bearing: 

Pump Weight

Gross Weight: kg 221 Net Weight: kg 206

Equip SS304 impeller:



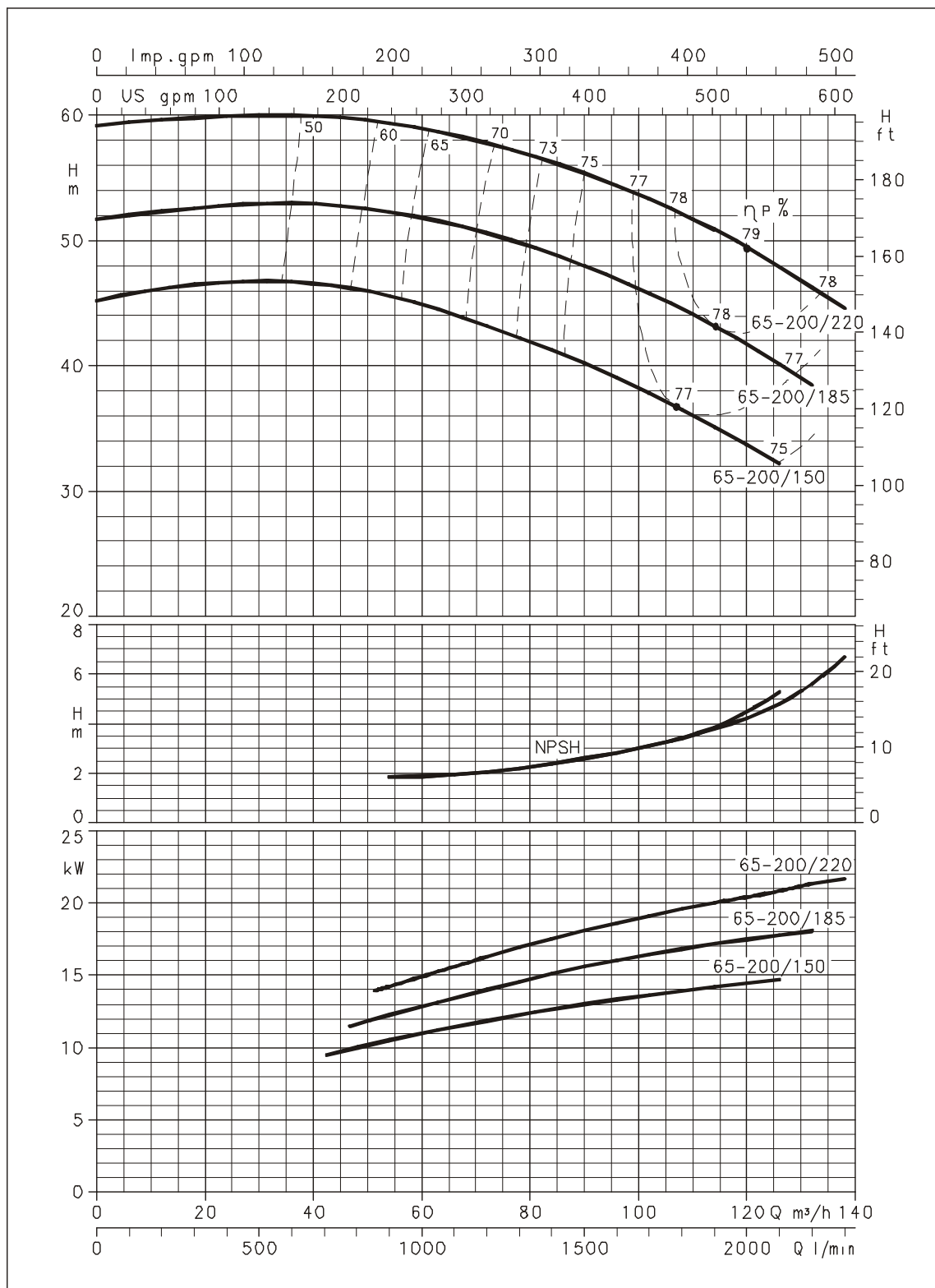


Performance Curve

MODEL 65-200/220

22 kw

2900 rpm



DATA SHEET

END USER:

PROJECT:

Model: 65-200/220

Working conditions

Rated Flow:	85 m3/h
Rated Head:	54 m
Suction:	8 m
(NPSH)a:	2.5 m
Operation:	Continuous
Speed(rpm):	2900
Eff(%):	73

Liquid

Liquid type:	clear water
Operature temperaturer(O.T.) Max.	120 °C
Density:	1024 kg/m3
Hazardous:	Non

Construction

Pump Type:	Centrifugal
Pump Stage:	Single
Impeller type:	Closed
Mounting:	Overhung
Shaft direction:	Horizontal
Suction type:	Single
Casing type:	Single volute
Casing Mounting:	Foot
Casing Split:	Radial
Design Press.: 1.60MPa	Hydro test Press.: 2.40MPa
Rotation(From motor side):	CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN80	150#	RF	End
Discharge	DN65	150#	RF	Top

Axial force balance:	Balance hole
Bearing type:	Radial rolling bearing
Lubrication:	Oil
Drive:	Direct

Material

Pump Casting:	Cast iron / ASTM No.30
Impeller:	SUS304
Motor Casting:	Cast iron / ASTM No.30
Shaft:	SUS304
Base plate:	Carbon Steel

Shaft seal

Shaft Seal Type:	Mechanical Seal	built-in
Seal brand:	Burgmann	
Material of shaft seal:		
Rotation Ring:	Graphit	

Fixed Ring:	SiC
O Ring:	EPDM
Spring:	SUS304

High Efficiency Electric Motor

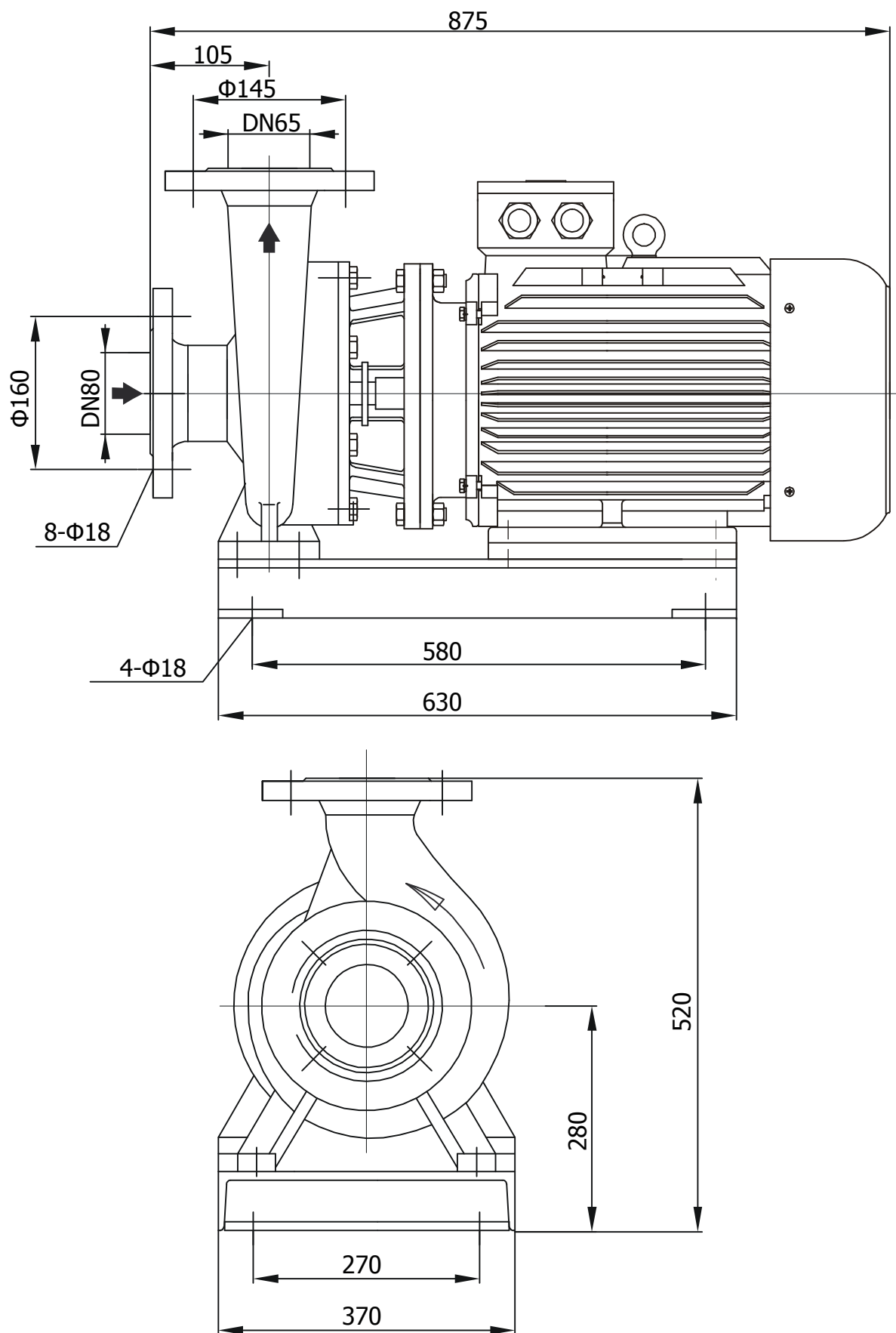
Manufacturer:	HYPER	Model:	MS 2-180M-2
Motor Type:	Total Enclosed Fan Cool,	Blue Flux	
Power:	22 kw	Motor Pole:	2 P
Voltage:	380 V	Speed:	2900 rpm
Phase:	3	Frequency:	50 Hz
IP class:	IP 55	Explosive-proof:	Non
Insulation:	F	Bearing:	NSK

Pump Weight

Gross Weight:	kg 249	Net Weight:	kg 233
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Equip SS304 impeller:



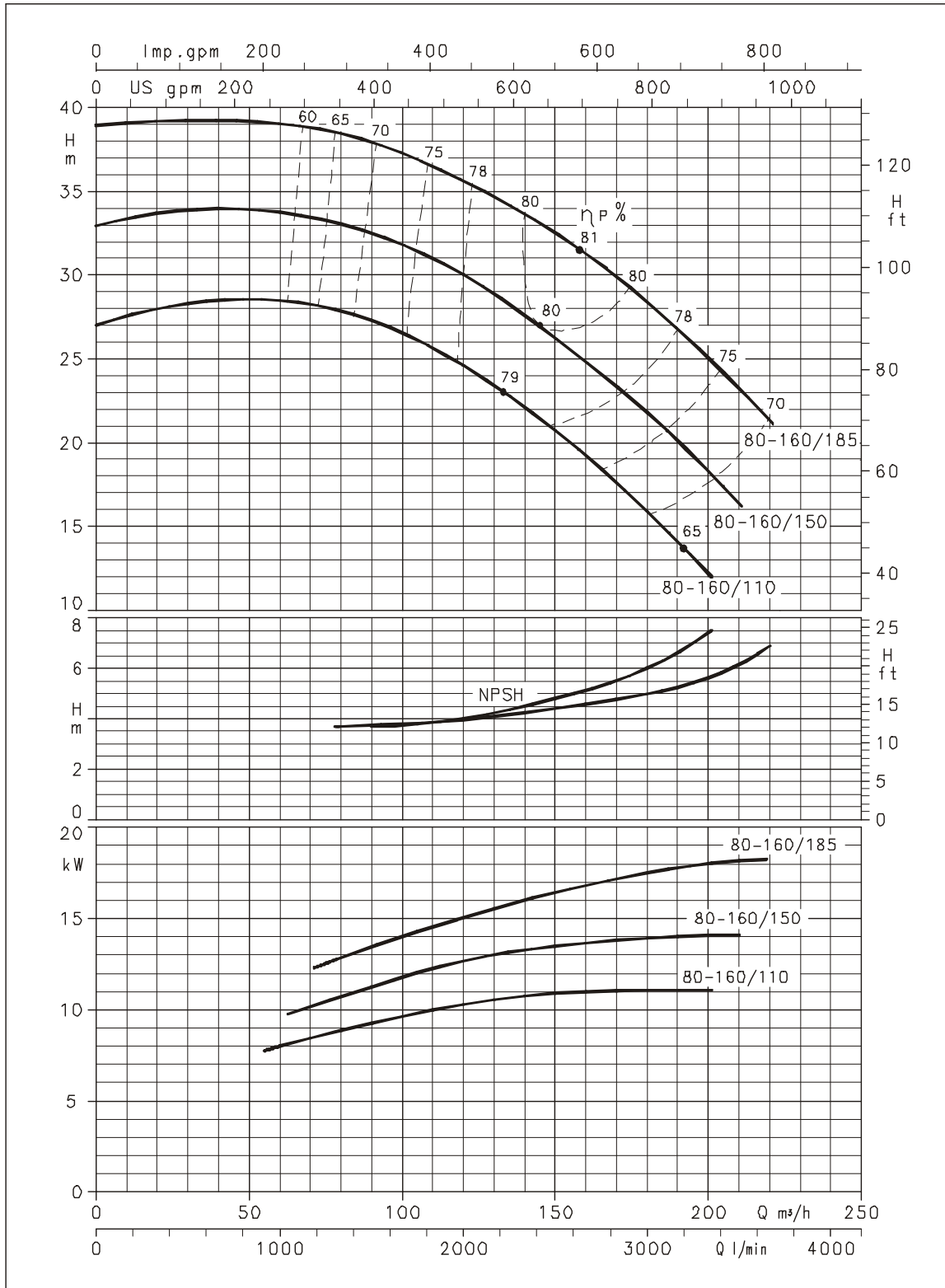


Performance Curve

MODEL 80-160/150

15 kw

2900 rpm





DATA SHEET

END USER:

PROJECT:

Model: 80-160/150

Working conditions

Rated Flow: 145 m3/h

Rated Head: 27 m

Suction: 8 m

(NPSH)a: 4.5 m

Operation: Continuous

Speed(rpm): 2900

Eff(%): 80

Liquid

Liquid type: clear water

Operature temperaturer(O.T.) Max. 120 °C

Density: 1024 kg/m3

Hazardous: Non

Construction

Pump Type: Centrifugal

Pump Stage: Single

Impeller type: Closed Mounting: Overhung

Shaft direction: Horizontal

Suction type: Single

Casing type: Single volute

Casing Mounting: Foot

Casing Split: Radial

Design Press.: 1.60MPa Hydro test Press.: 2.40MPa

Rotation(From motor side): CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN100	150#	RF	End
Discharge	DN80	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting: Cast iron / ASTM No.30

Impeller: SUS304

Motor Casting: Cast iron / ASTM No.30

Shaft: SUS304

Base plate: Carbon Steel

Shaft seal

Shaft Seal Type: Mechanical Seal built-in

Seal brand: Burgmann

Material of shaft seal:

Rotation Ring: Graphit

Fixed Ring: SiC

O Ring: EPDM

Spring: SUS304

High Efficiency Electric Motor

Manufacturer: HYPER Model: MS 2-160M2-2

Motor Type: Total Enclosed Fan Cool, Blue Flux

Power: 15 kw

Motor Pole: 2 P

Voltage: 380 V

Speed: 2900 rpm

Phase: 3

Frequency: 50 Hz

IP class: IP 55

Explosive-proof: Non

Insulation: F

Bearing: **NSK**

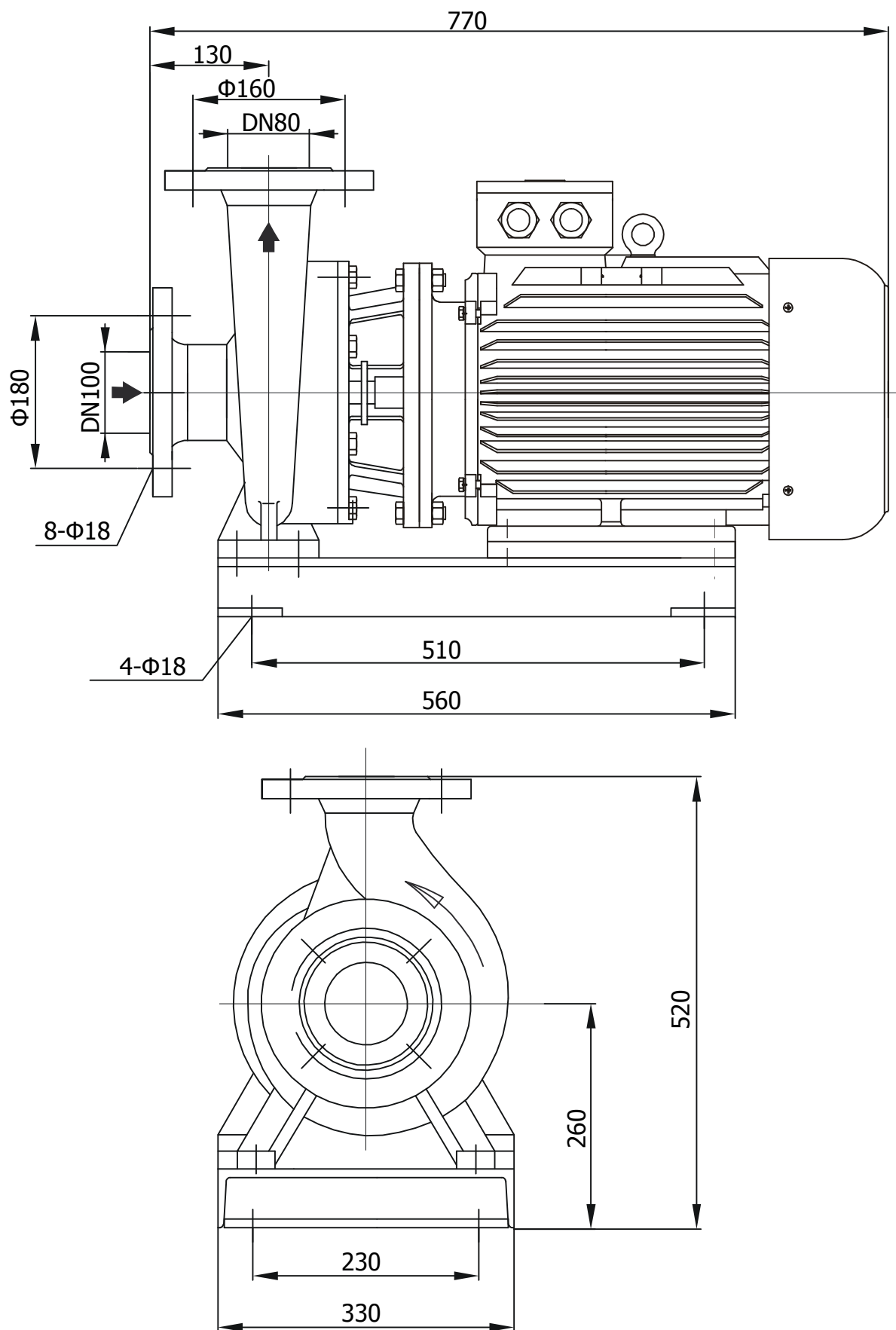
Pump Weight

Gross Weight: kg 199

Net Weight: kg 184

Equip SS304 impeller:



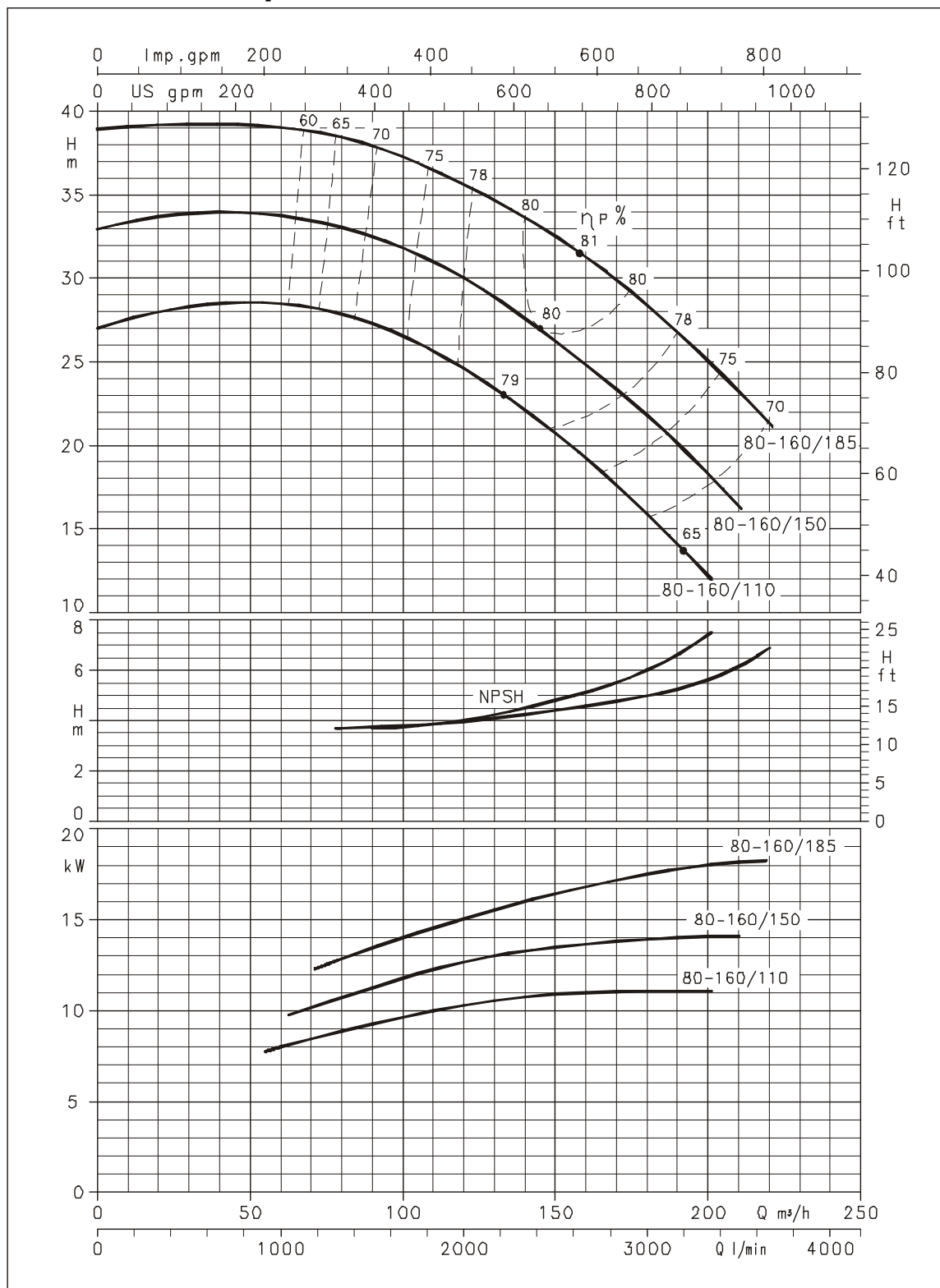


Performance Curve

MODEL 80-160/185

18.5 kw

2900 rpm





DATA SHEET

END USER:

PROJECT:

Model: 80-160/185

Working conditions

Rated Flow: 160 m³/h

Rated Head: 31 m

Suction: 8 m

(NPSH)_a: 5 m

Operation: Continuous

Speed(rpm): 2900

Eff(%): 81

Liquid

Liquid type: clear water

Operature temperaturer(O.T.) Max. 120 °C

Density: 1024 kg/m³

Hazardous: Non

Construction

Pump Type: Centrifugal

Pump Stage: Single

Impeller type: Closed Mounting: Overhung

Shaft direction: Horizontal

Suction type: Single

Casing type: Single volute

Casing Mounting: Foot

Casing Split: Radial

Design Press.: 1.60MPa Hydro test Press.: 2.40MPa

Rotation(From motor side): CW

Flange	Size	Flange	Seal face	Direction
ANSI	mm	Class	type	Position
Suction	DN100	150#	RF	End
Discharge	DN80	150#	RF	Top

Axial force balance: Balance hole

Bearing type: Radial rolling bearing

Lubrication: Oil Drive: Direct

Material

Pump Casting: Cast iron / ASTM No.30

Impeller: SUS304

Motor Casting: Cast iron / ASTM No.30

Shaft: SUS304

Base plate: Carbon Steel

Shaft seal

Shaft Seal Type: Mechanical Seal built-in

Seal brand: Burgmann

Material of shaft seal:

Rotation Ring: Graphit

Fixed Ring: SiC

O Ring: EPDM Spring: SUS304

High Efficiency Electric Motor

Manufacturer: HYPER Model: MS 2-160L-2

Motor Type: Total Enclosed Fan Cool, Blue Flux

Power: 18.5 kw Motor Pole: 2 P

Voltage: 380 V Speed: 2900 rpm

Phase: 3 Frequency: 50 Hz

IP class: IP 55 Explosive-proof: Non

Insulation: F Bearing: 

Pump Weight

Gross Weight: kg 221 Net Weight: kg 206

Equip SS304 impeller:



