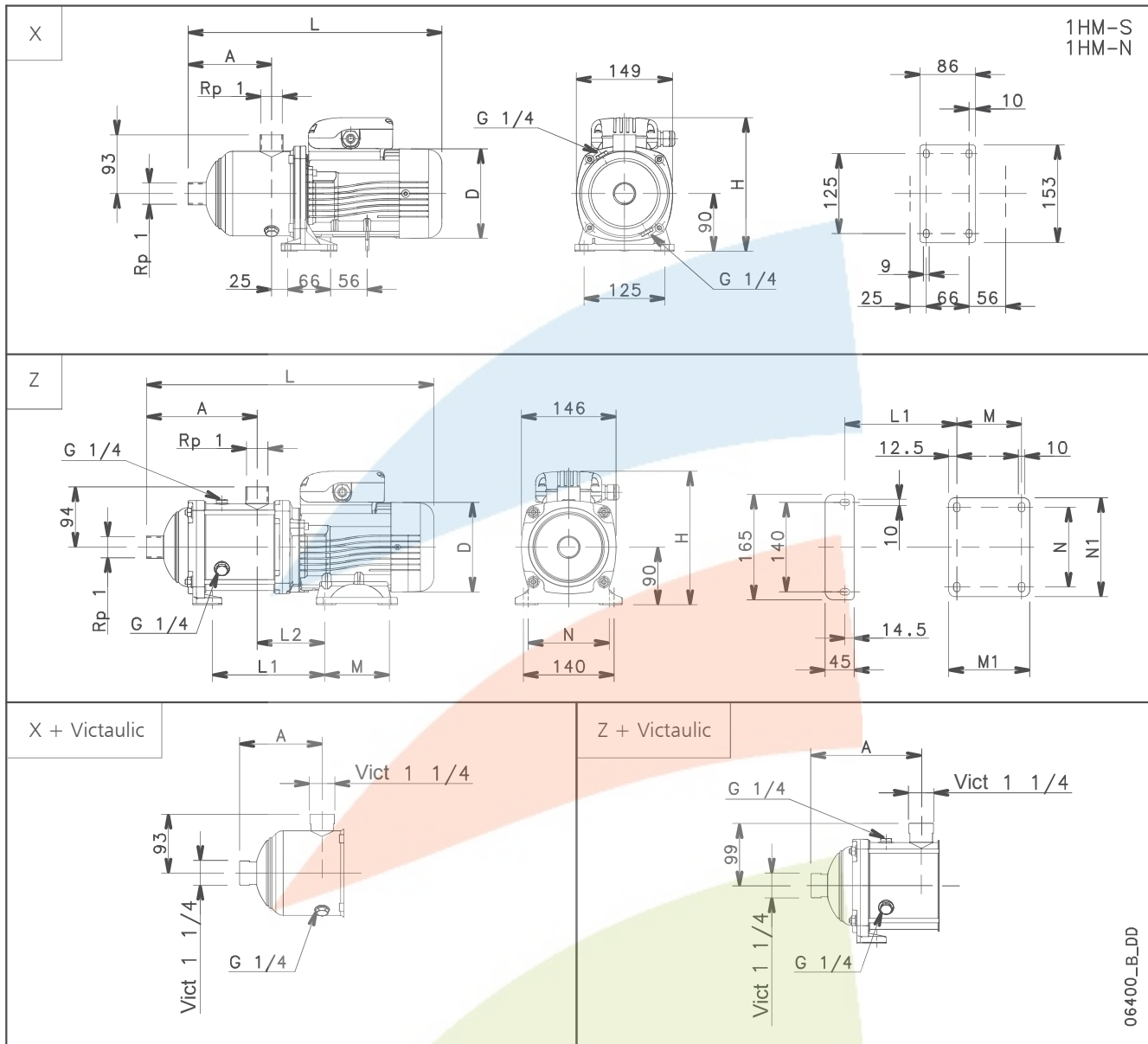


1HM..S - 1HM..N SERIES, (2 TO 9 STAGES) DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



06400_B_DD

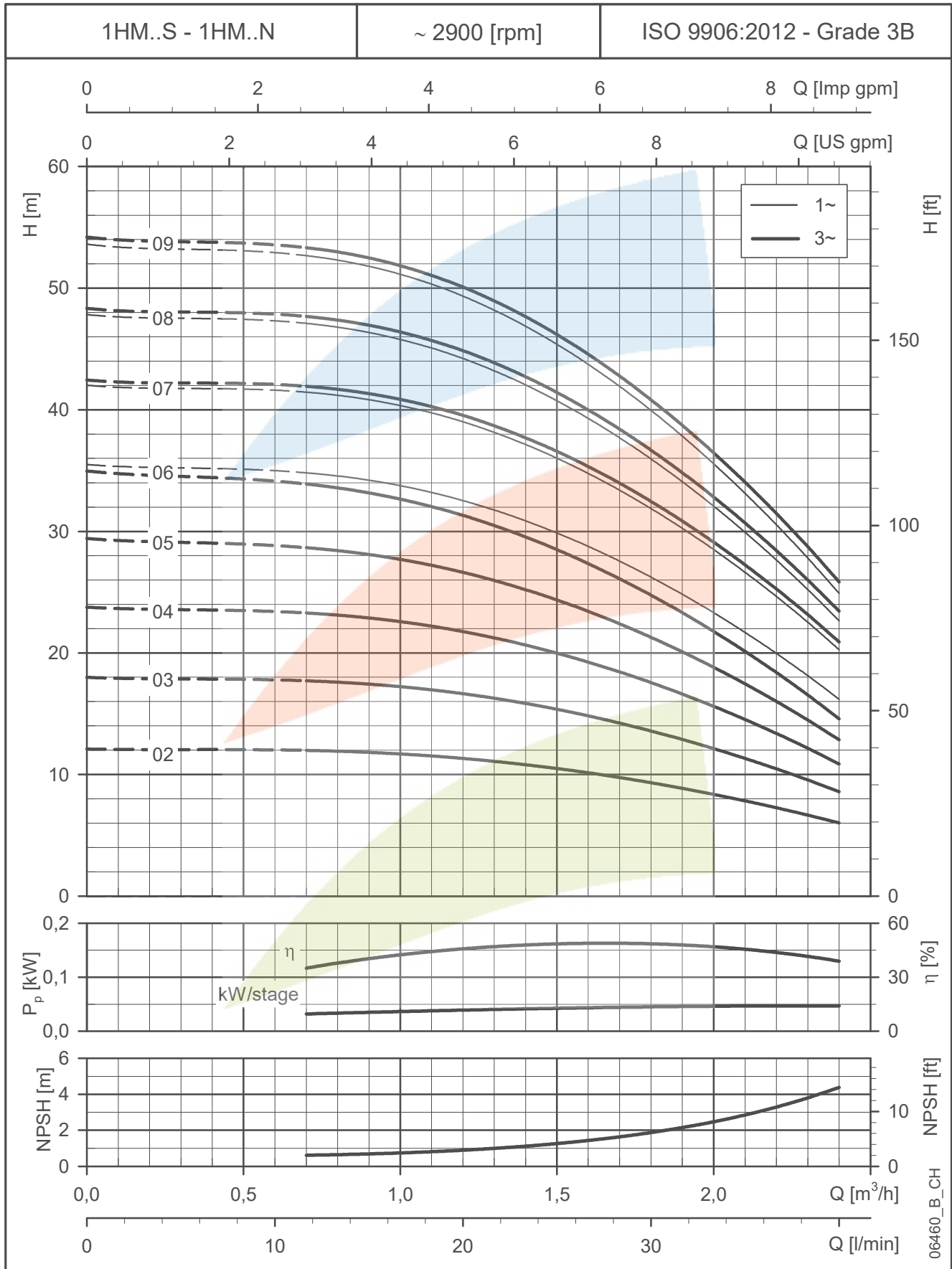
PUMP TYPE	VERSION	Ref.	MOTOR		DIMENSIONS (mm)										PN bar	WEIGHT kg
			kW	SIZE	A	D	H	L	L1	L2	M	M1	N	N1		
1HM06	SINGLE-PHASE	X	0.50	63	147	120	201	396	-	-	-	-	-	-	10	8
1HM07		Z	0.55	71	151	140	211	424	153	104	100	125	125	155	10	10
1HM08		Z	0.55	71	171	140	211	444	173	104	100	125	125	155	10	11
1HM09		Z	0.55	71	191	140	211	464	193	104	100	125	125	155	10	11

1HM02	THREE-PHASE	X	0.30	63	87	120	201	336	-	-	-	-	-	-	10	6
1HM03			0.30	63	87	120	201	336	-	-	-	-	-	-	10	6
1HM04			0.30	63	107	120	201	356	-	-	-	-	-	-	10	7
1HM05			0.30	63	127	120	201	376	-	-	-	-	-	-	10	7
1HM06			0.30	63	147	120	201	396	-	-	-	-	-	-	10	7
1HM07		Z	0.55	71	151	140	211	424	153	104	100	125	125	155	10	10
1HM08			0.55	71	171	140	211	444	173	104	100	125	125	155	10	11
1HM09			0.55	71	191	140	211	464	193	104	100	125	125	155	10	11

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

1hm-s-n-2p50-1-en_b_td

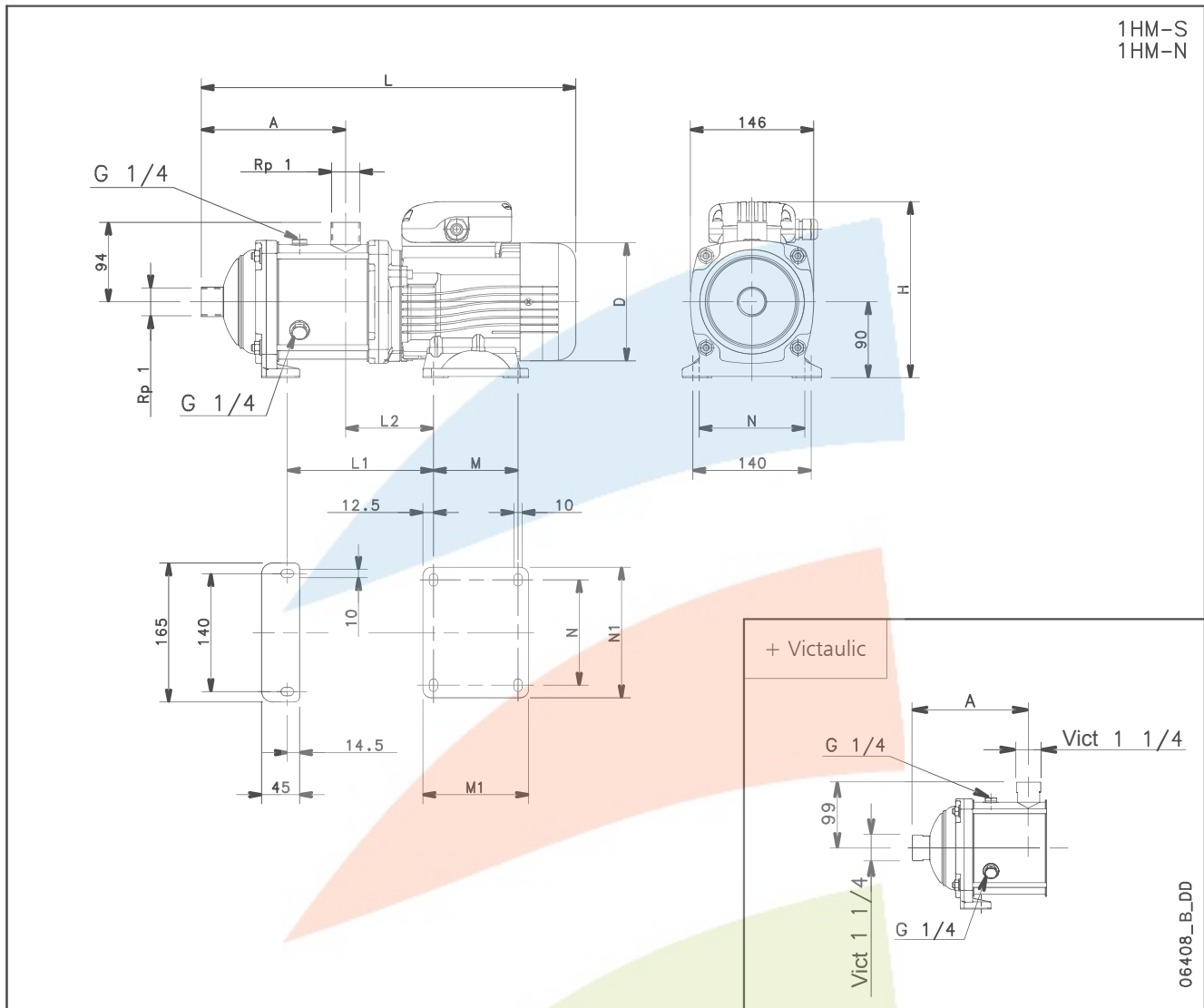
**1HM..S - 1HM..N SERIES, (2 TO 9 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

1HM..S - 1HM..N SERIES, (11 TO 25 STAGES)

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



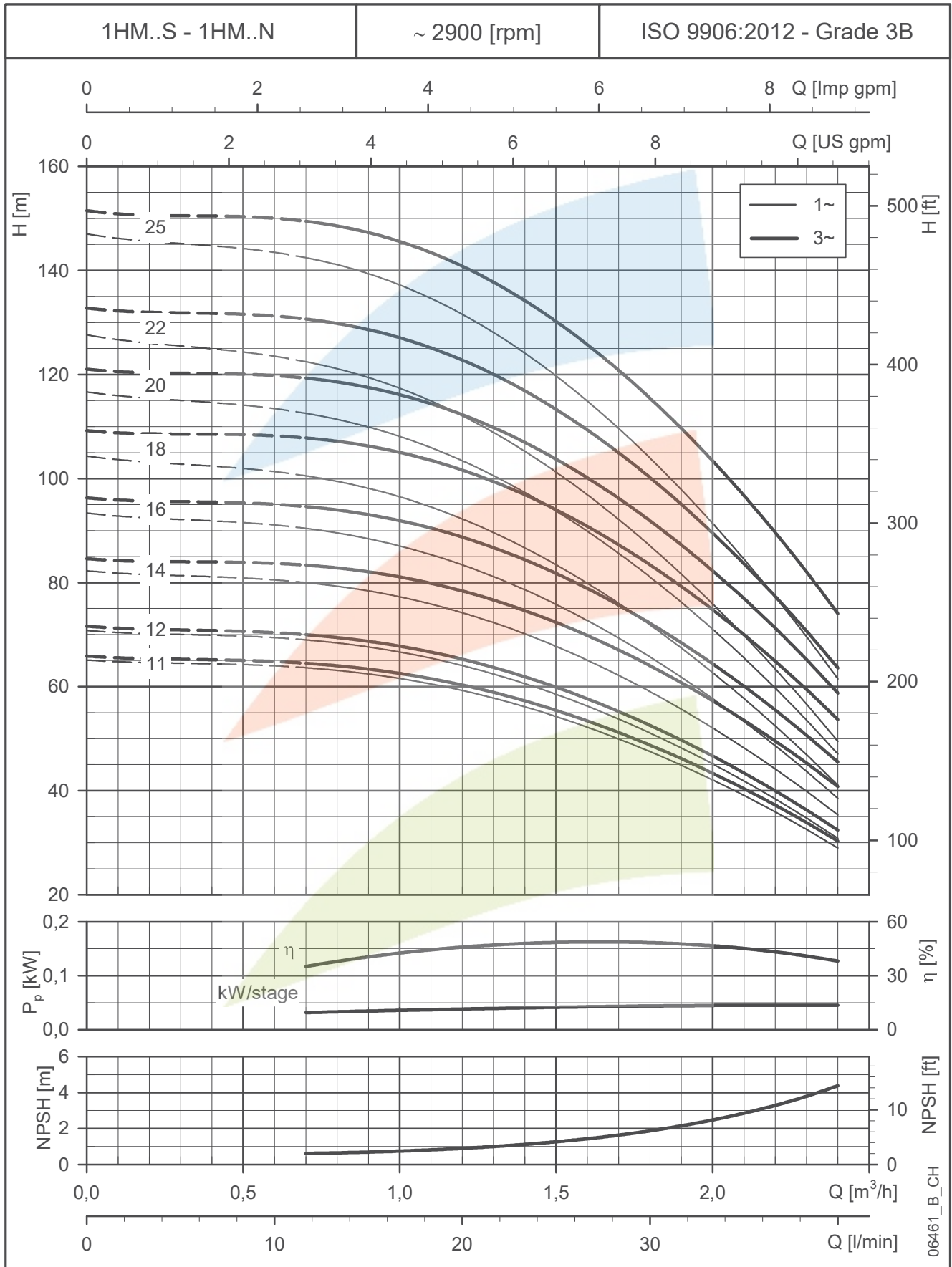
PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)										PN bar	WEIGHT kg
		KW	SIZE	A	D	H	L	L1	L2	M	M1	N	N1		
1HM11	SINGLE-PHASE	0.55	71	231	140	211	504	233	104	100	125	125	155	10	12
1HM12		0.55	71	251	140	211	524	253	104	100	125	125	155	10	12
1HM14		0.75	71	291	140	211	564	293	104	100	125	125	155	10	14
1HM16		0.75	71	331	140	211	604	333	104	100	125	125	155	10	14
1HM18		0.75	71	371	140	211	644	373	104	100	125	125	155	16	15
1HM20		0.95	71	411	140	220	684	413	104	100	125	125	155	16	17
1HM22		0.95	71	451	140	220	724	453	104	100	125	125	155	16	17
1HM25		1.1	80	511	155	227	828	513	104	100	125	125	155	16	21

1HM11	THREE-PHASE	0.55	71	231	140	211	504	233	104	100	125	125	155	10	12
1HM12		0.55	71	251	140	211	524	253	104	100	125	125	155	10	12
1HM14		0.75	80	291	155	219	608	293	104	100	125	125	155	10	14
1HM16		0.75	80	331	155	219	648	333	104	100	125	125	155	10	14
1HM18		1.1	80	371	155	219	688	373	104	100	125	125	155	16	19
1HM20		1.1	80	411	155	219	728	413	104	100	125	125	155	16	20
1HM22		1.1	80	451	155	219	768	453	104	100	125	125	155	16	20
1HM25		1.5	80	511	155	219	828	513	104	100	125	125	155	16	23

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

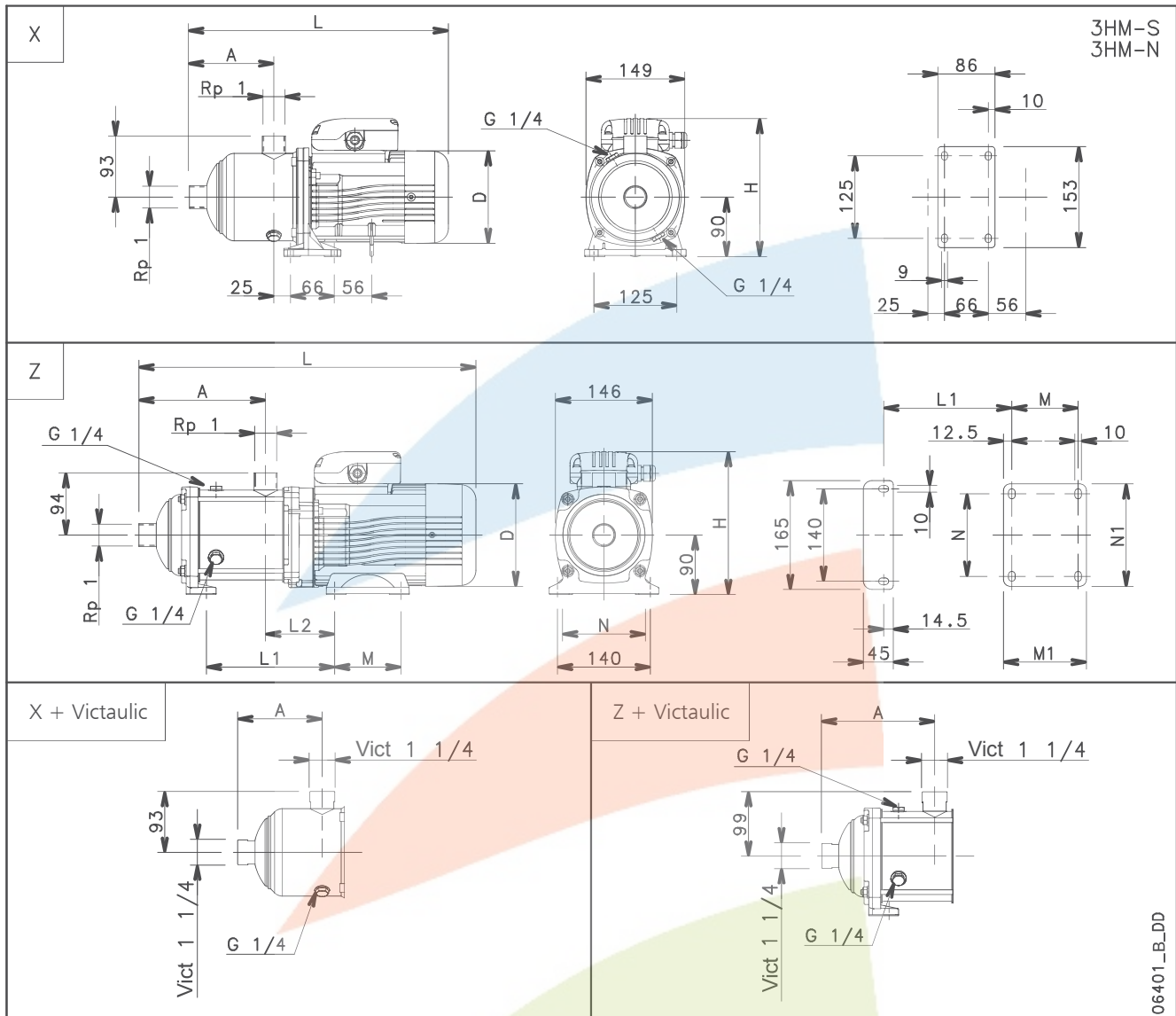
1hm-s-n-2p50-2-en_b_td

1HM..S - 1HM..N SERIES, (11 TO 25 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

3HM..S - 3HM..N SERIES, (2 TO 10 STAGES) DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



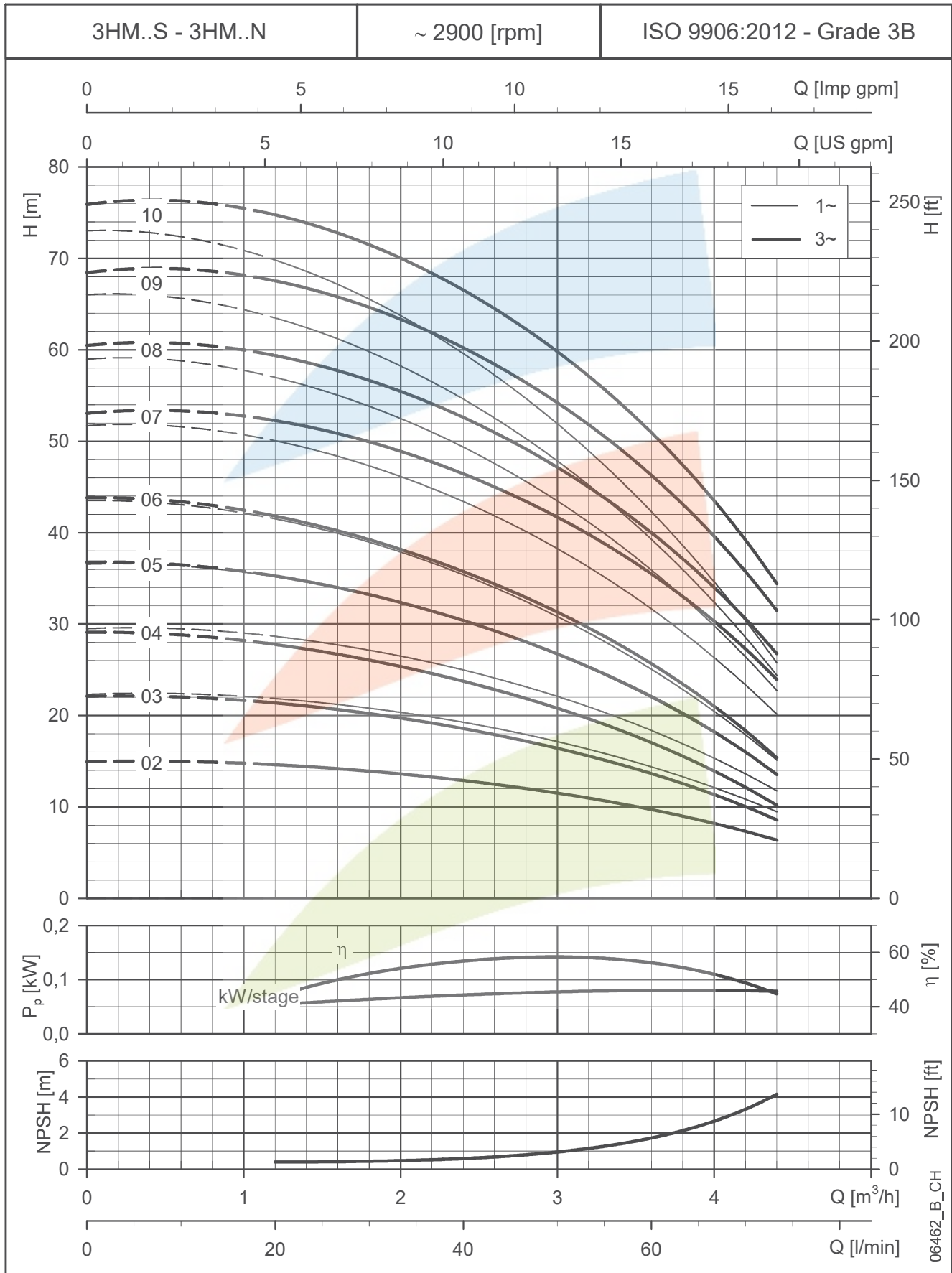
PUMP TYPE	VERSION	Ref.	MOTOR		DIMENSIONS (mm)									PN bar	WEIGHT kg	
			kW	SIZE	A	D	H	L	L1	L2	M	M1	N			N1
3HM03	SINGLE-PHASE	X	0.50	63	87	120	201	336	-	-	-	-	-	-	10	7
3HM04			0.50	63	107	120	201	356	-	-	-	-	-	-	10	8
3HM05			0.50	63	127	120	201	376	-	-	-	-	-	-	10	8
3HM06			0.50	63	147	120	201	396	-	-	-	-	-	-	10	8
3HM07		Z	0.55	71	151	140	211	424	153	104	100	125	125	155	10	10
3HM08			0.75	71	171	140	211	444	173	104	100	125	125	155	10	12
3HM09			0.75	71	191	140	211	464	193	104	100	125	125	155	10	12
3HM10			0.75	71	211	140	211	484	213	104	100	125	125	155	10	12

3HM02	THREE-PHASE	X	0.30	63	87	120	201	336	-	-	-	-	-	-	10	6
3HM03			0.30	63	87	120	201	336	-	-	-	-	-	-	10	6
3HM04			0.30	63	107	120	201	356	-	-	-	-	-	-	10	7
3HM05			0.40	63	127	120	201	376	-	-	-	-	-	-	10	7
3HM06			0.50	63	147	120	201	396	-	-	-	-	-	-	10	8
3HM07		Z	0.75	80	151	155	219	468	153	104	100	125	125	155	10	14
3HM08			0.75	80	171	155	219	488	173	104	100	125	125	155	10	15
3HM09			1.1	80	191	155	219	508	193	104	100	125	125	155	10	16
3HM10			1.1	80	211	155	219	528	213	104	100	125	125	155	10	16

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

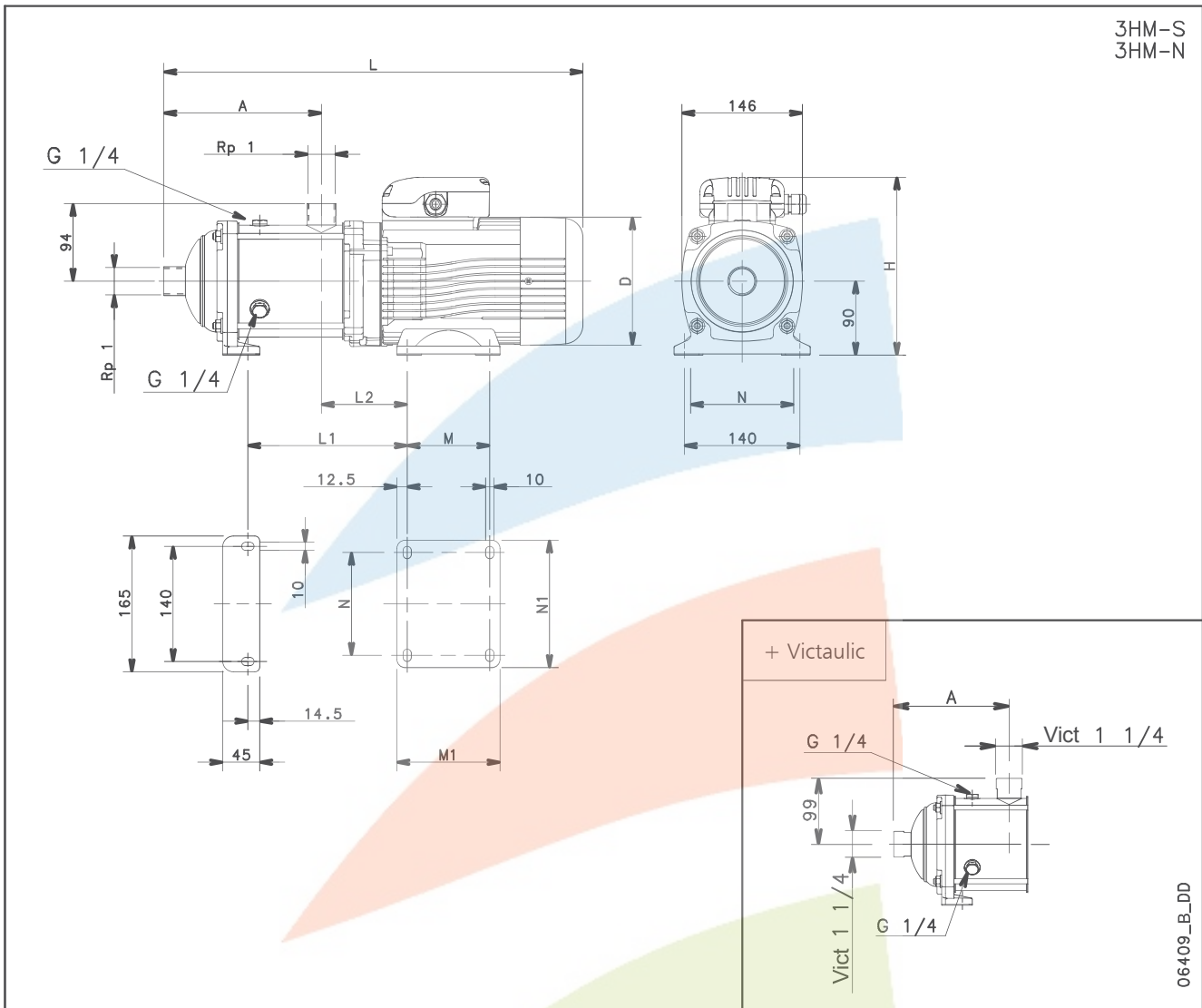
3hm-s-n-2p50-1-en_b_td

3HM..S - 3HM..N SERIES, (2 TO 10 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

3HM..S - 3HM..N SERIES, (11 TO 21 STAGES) DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



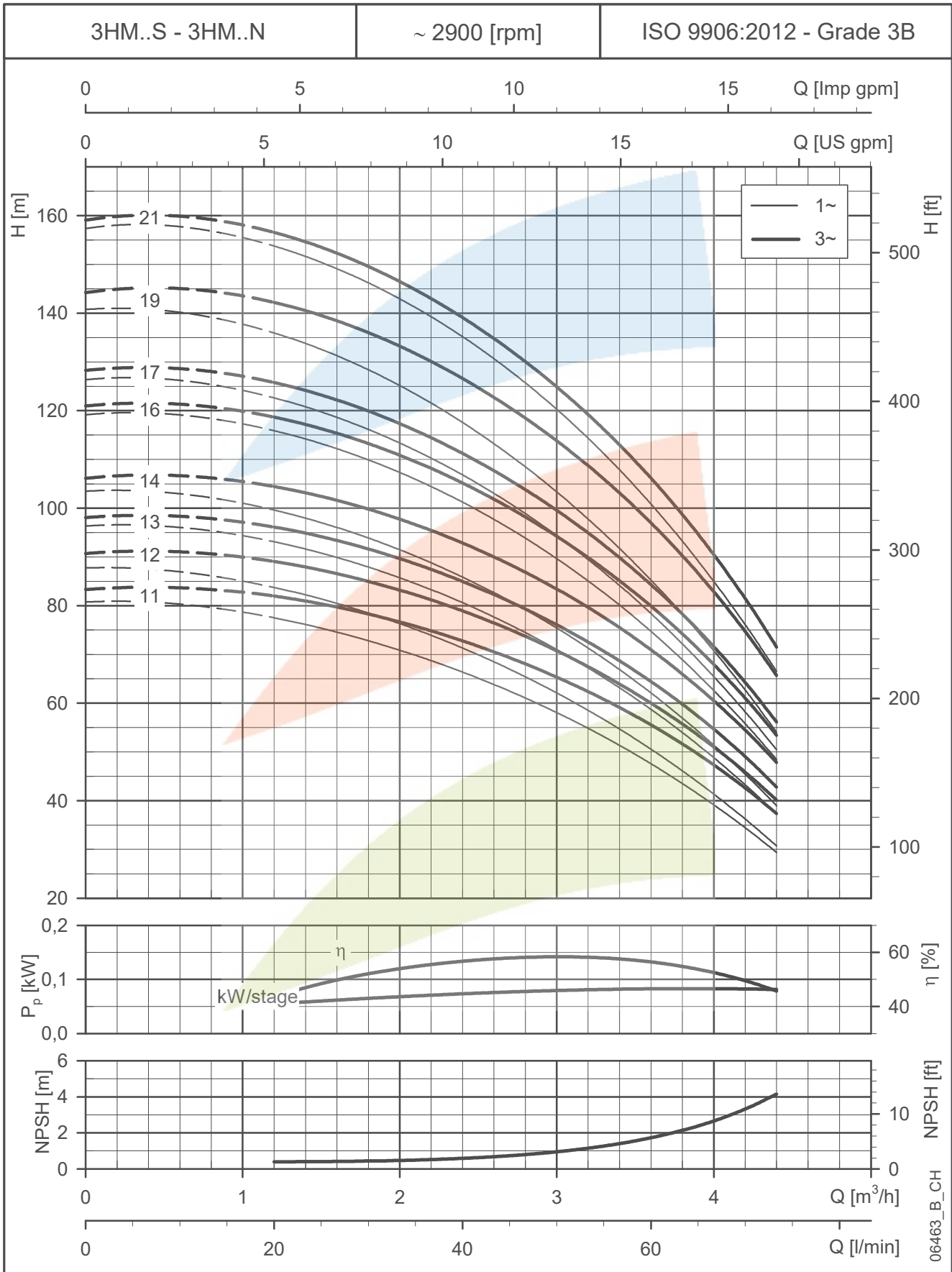
PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)										PN	WEIGHT
		kW	SIZE	A	D	H	L	L1	L2	M	M1	N	N1		
3HM11	SINGLE-PHASE	0,95	71	231	140	220	504	233	104	100	125	125	155	10	14
3HM12		0,95	71	251	140	220	524	253	104	100	125	125	155	10	14
3HM13		1,1	80	271	155	227	588	273	104	100	125	125	155	10	17
3HM14		1,1	80	291	155	227	608	293	104	100	125	125	155	16	18
3HM16		1,5	80	331	155	227	648	333	104	100	125	125	155	16	19
3HM17		1,5	80	351	155	227	668	353	104	100	125	125	155	16	20
3HM19		1,5	80	391	155	227	708	393	104	100	125	125	155	16	20
3HM21		2,2	90	431	174	249	804	456	127	125	150	140	164	16	29

3HM11	THREE-PHASE	1,1	80	231	155	219	548	233	104	100	125	125	155	10	17
3HM12		1,1	80	251	155	219	568	253	104	100	125	125	155	10	17
3HM13		1,1	80	271	155	219	588	273	104	100	125	125	155	10	17
3HM14		1,5	80	291	155	219	608	293	104	100	125	125	155	16	19
3HM16		1,5	80	331	155	219	648	333	104	100	125	125	155	16	19
3HM17		1,5	80	351	155	219	668	353	104	100	125	125	155	16	20
3HM19		2,2	90	391	174	224	764	416	127	125	150	140	164	16	25
3HM21		2,2	90	431	174	224	804	456	127	125	150	140	164	16	26

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

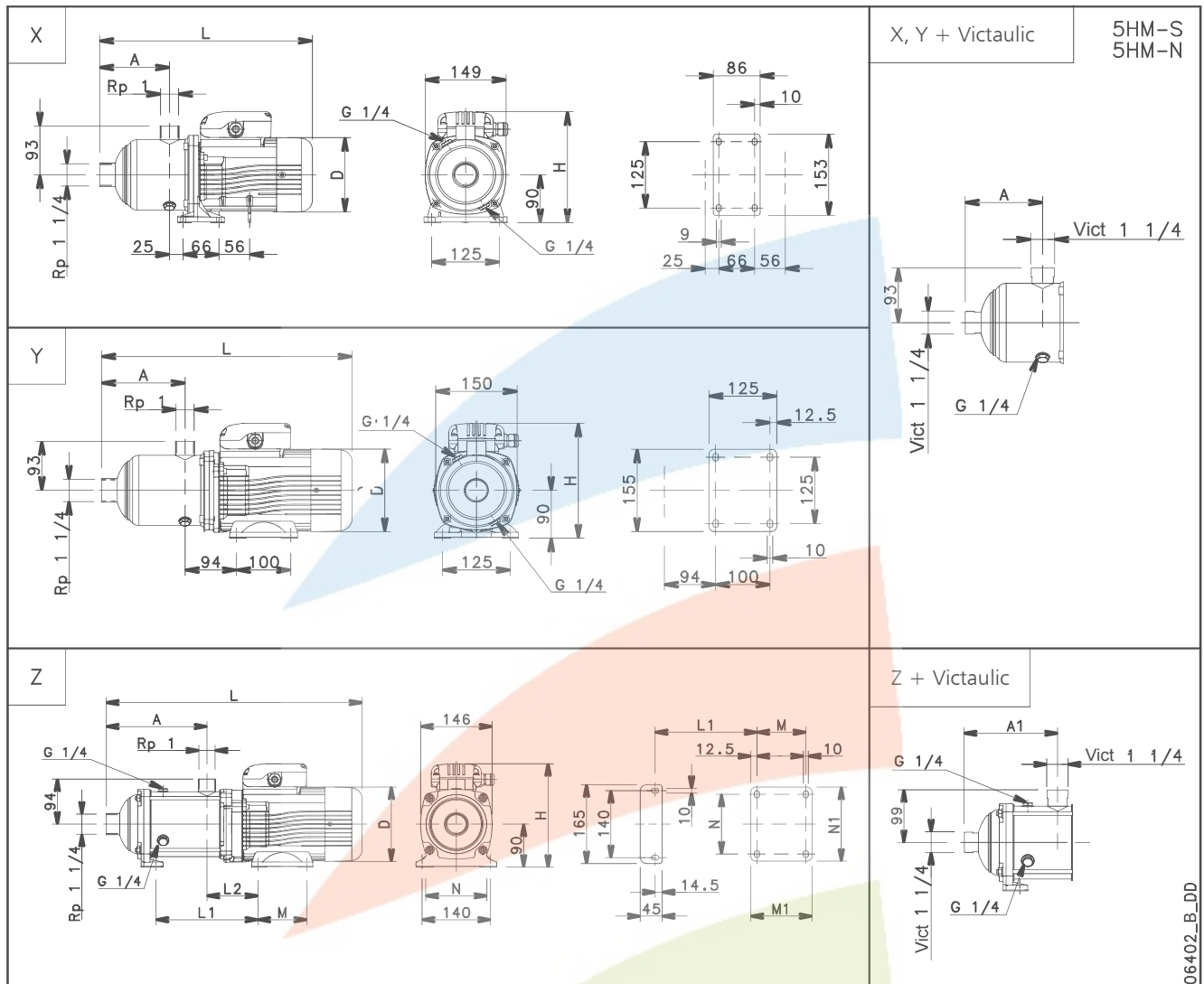
3hm-s-n-2p50-2-en_b_td

3HM..S - 3HM..N SERIES, (11 TO 21 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

5HM..S - 5HM..N SERIES, (2 TO 9 STAGES) DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



06402_B_DD

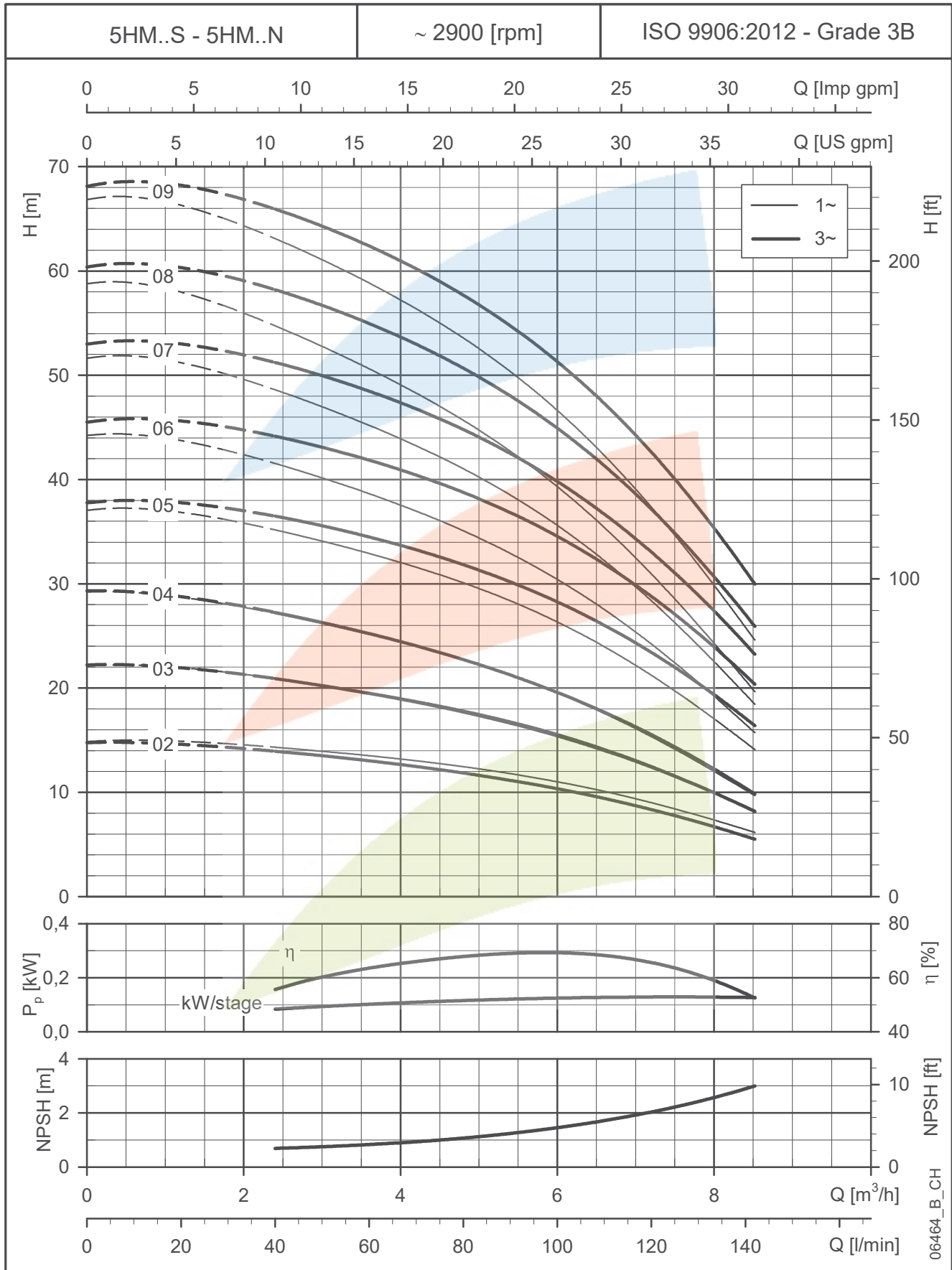
PUMP TYPE	VERSION	Ref.	MOTOR		DIMENSIONS (mm)										PN	WEIGHT	
			kW	SIZE	A	A1	D	H	L	L1	L2	M	M1	N			N1
5HM02	SINGLE-PHASE	X	0.50	63	104	102	120	201	353	-	-	-	-	-	-	10	7
5HM03			0.50	63	104	102	120	201	353	-	-	-	-	-	-	10	7
5HM04			0.50	63	129	127	120	201	378	-	-	-	-	-	-	10	8
5HM05			0.75	71	154	152	140	211	417	-	-	-	-	-	-	10	10
5HM06		Z	0.75	71	158	156	140	211	430	158	104	100	125	125	155	10	11
5HM07			0.95	71	183	181	140	220	455	183	104	100	125	125	155	10	13
5HM08			0.95	71	208	206	140	220	480	208	104	100	125	125	155	10	13
5HM09			1.1	80	233	231	155	227	550	233	104	100	125	125	155	10	17
5HM09			1.1	80	233	231	155	227	550	233	104	100	125	125	155	10	17

5HM02	THREE-PHASE	X	0.30	63	104	102	120	201	353	-	-	-	-	-	-	10	6	
5HM03			0.40	63	104	102	120	201	353	-	-	-	-	-	-	10	7	
5HM04			0.50	63	129	127	120	201	378	-	-	-	-	-	-	10	8	
5HM05		Y	0.75	80	154	152	155	219	462	-	-	-	-	-	-	10	13	
5HM06			Z	1.1	80	158	156	155	219	475	158	104	100	125	125	155	10	15
5HM07				1.1	80	183	181	155	219	500	183	104	100	125	125	155	10	16
5HM08		Z	1.1	80	208	206	155	219	525	208	104	100	125	125	155	10	16	
5HM09			1.5	80	233	231	155	219	550	233	104	100	125	125	155	10	18	

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

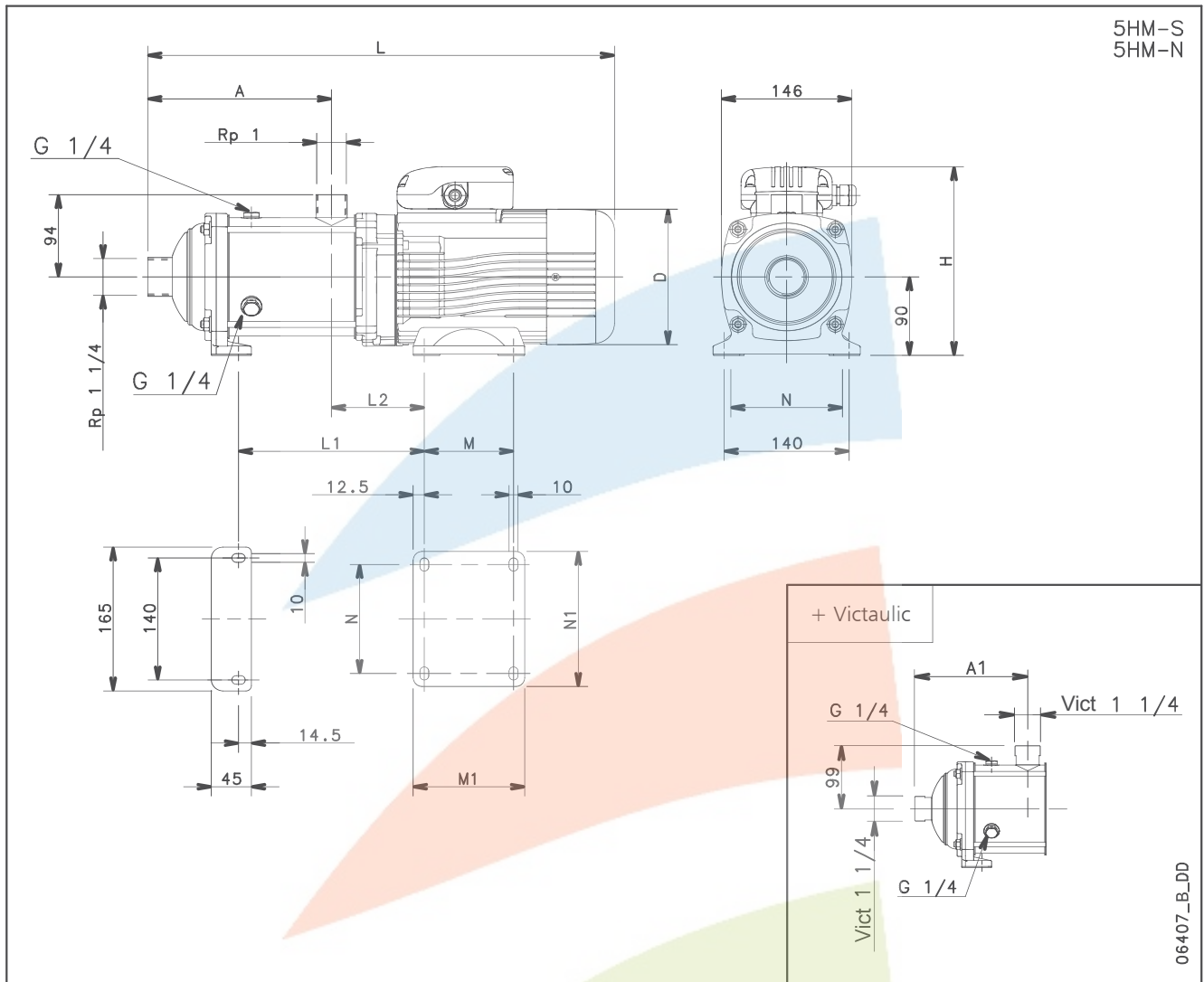
5hm-s-n-2p50-1-en_d_td

**5HM..S - 5HM..N SERIES, (2 TO 9 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

5HM..S - 5HM..N SERIES, (10 TO 21 STAGES) DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



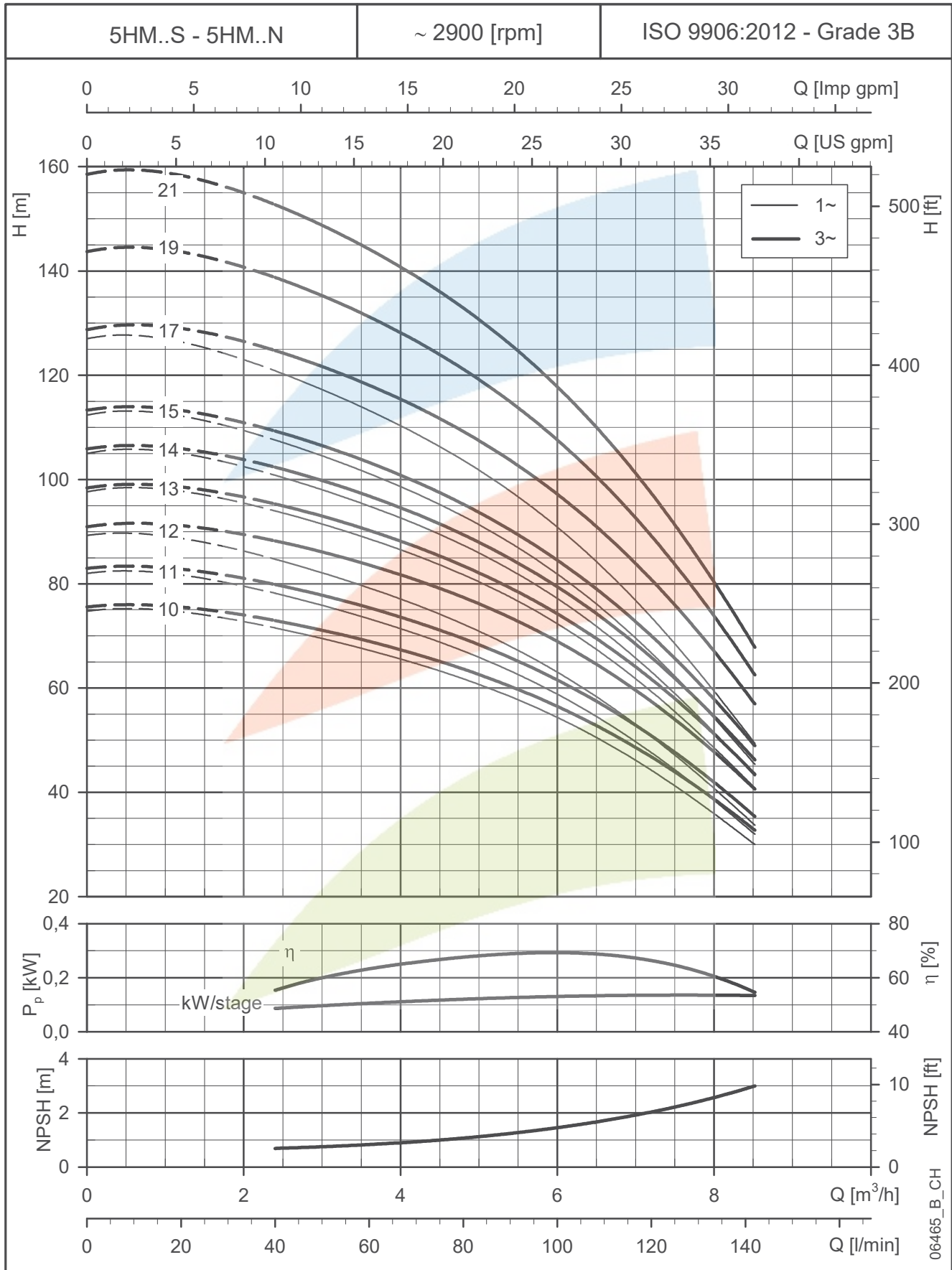
PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)											PN bar	WEIGHT kg
		kW	SIZE	A	A1	D	H	L	L1	L2	M	M1	N	N1		
5HM10	SINGLE-PHASE	1.5	80	258	256	155	227	575	258	104	100	125	125	155	10	18
5HM11		1.5	80	283	281	155	227	600	283	104	100	125	125	155	10	18
5HM12		1.5	80	308	306	155	227	625	308	104	100	125	125	155	10	19
5HM13		2.2	90	333	331	174	249	706	356	127	125	150	140	164	10	27
5HM14		2.2	90	358	356	174	249	731	381	127	125	150	140	164	16	28
5HM15		2.2	90	383	381	174	249	756	406	127	125	150	140	164	16	28
5HM17		2.2	90	433	431	174	249	806	456	127	125	150	140	164	16	29

5HM10	THREE-PHASE	1.5	80	258	256	155	227	575	258	104	100	125	125	155	10	18
5HM11		1.5	80	283	281	155	227	600	283	104	100	125	125	155	10	19
5HM12		2.2	90	308	306	174	224	681	308	127	125	150	140	164	10	24
5HM13		2.2	90	333	331	174	224	706	356	127	125	150	140	164	10	24
5HM14		2.2	90	358	356	174	224	731	381	127	125	150	140	164	16	25
5HM15		2.2	90	383	381	174	224	756	406	127	125	150	140	164	16	25
5HM17		3	90	433	431	174	224	806	456	127	125	150	140	164	16	29
5HM19		3	90	483	481	174	224	856	506	127	125	150	140	164	16	30
5HM21		3	90	533	531	174	224	906	556	127	125	150	140	164	16	31

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

5hm-s-n-2p50-2-en_c_td

5HM..S - 5HM..N SERIES, (10 TO 21 STAGES)
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

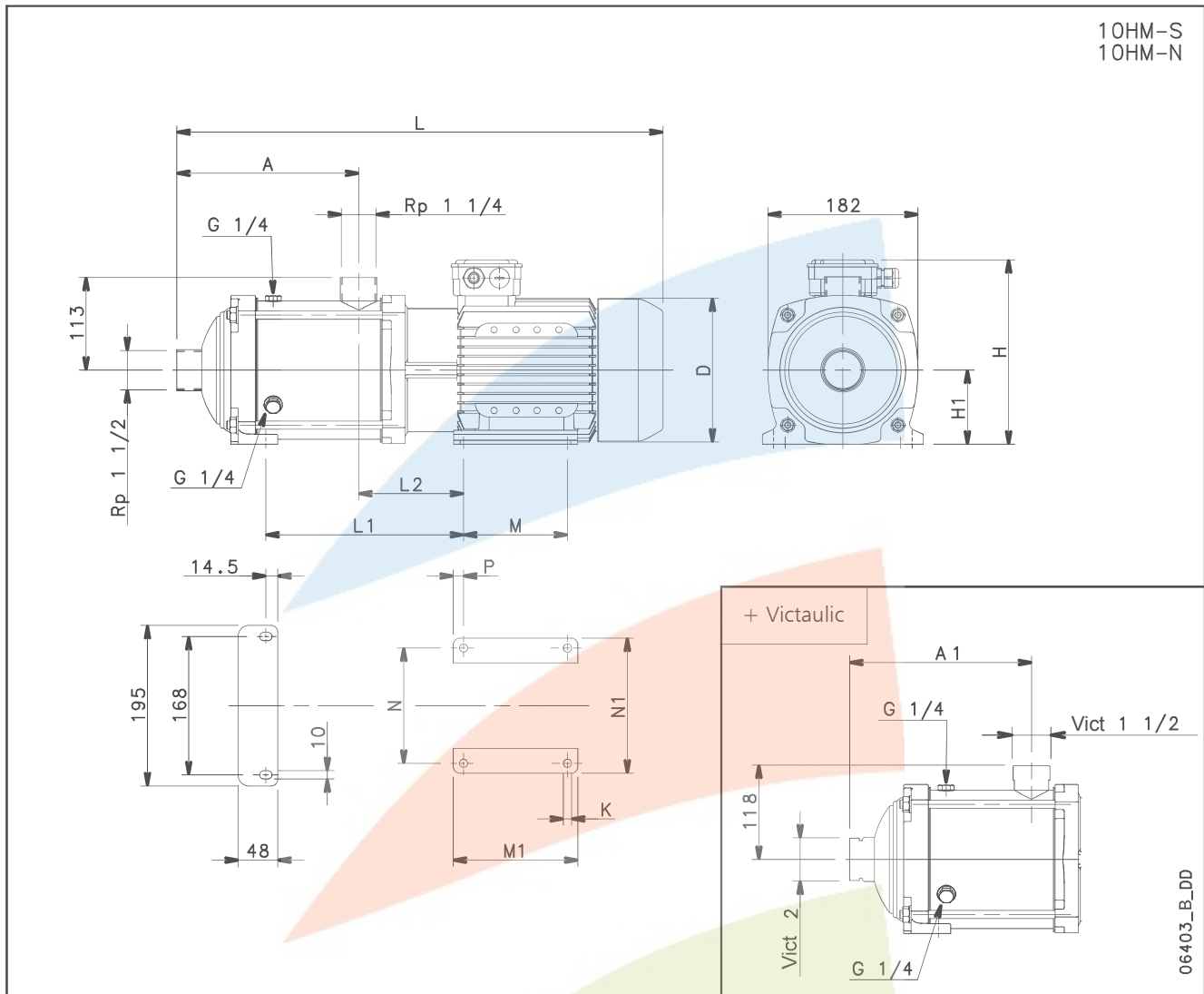


These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

10HM..S - 10HM..N SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

10HM-S
10HM-N



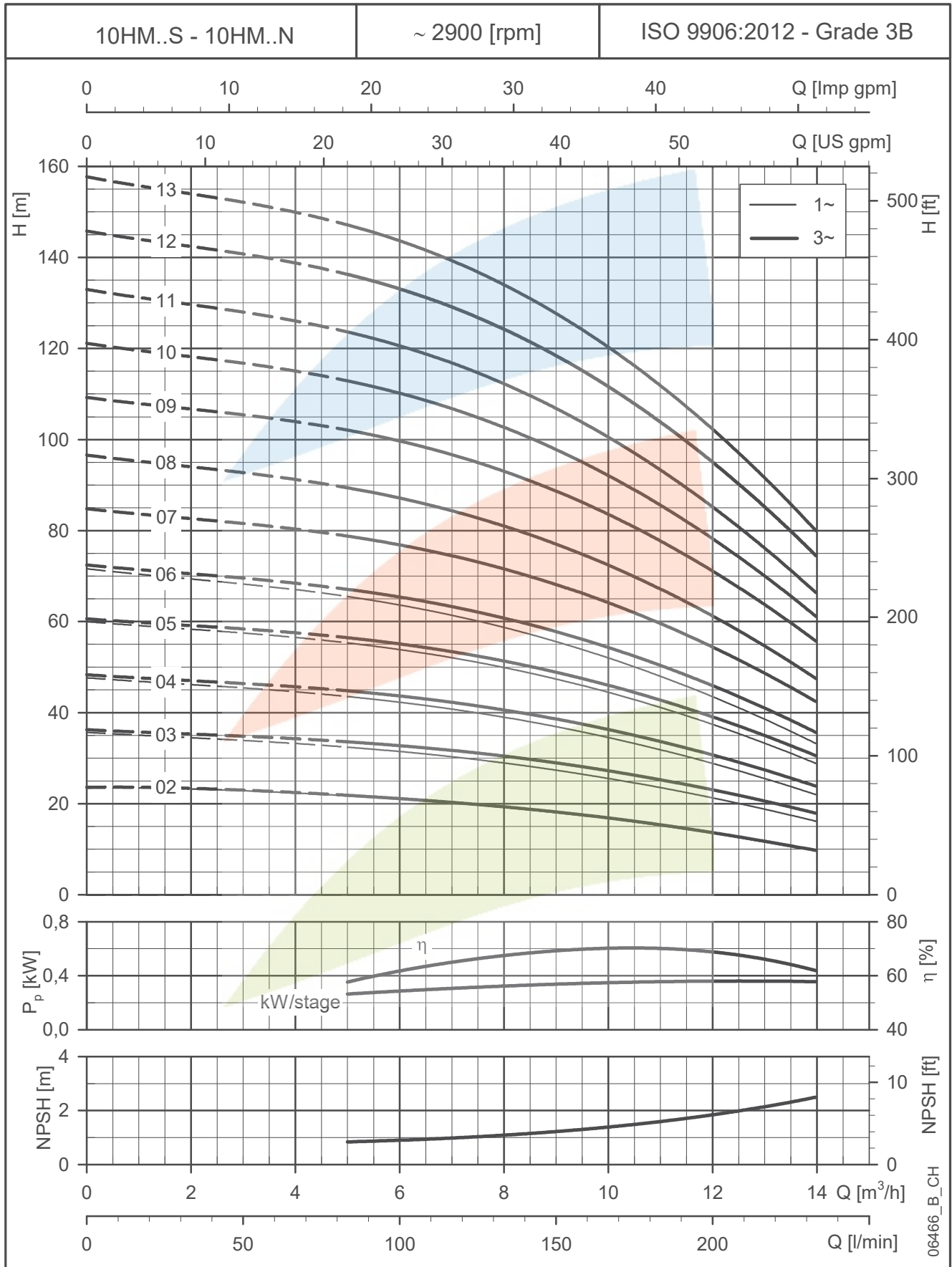
PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)														PN	WEIGHT
		kw	SIZE	A	A1	D	H	H1	L	L1	L2	M	M1	N	N1	P	K		
10HM02	SINGLE-PHASE	1.1	80	125	137	155	227	90	443	122	105	100	125	125	155	12.5	10	10	13
10HM03		1.1	80	125	137	155	227	90	443	122	105	100	125	125	155	12.5	10	10	17
10HM04		1.5	80	157	169	155	227	90	475	154	105	100	125	125	155	12.5	10	10	19
10HM05		2.2	90	189	201	174	249	90	563	208	128	125	150	140	164	12.5	10	10	25
10HM06		2.2	90	221	233	174	249	90	595	240	128	125	150	140	164	12.5	10	10	26

10HM02	THREE-PHASE	0.75	80	125	137	155	219	90	443	122	105	100	125	125	155	12.5	10	10	16
10HM03		1.1	80	125	137	155	219	90	443	122	105	100	125	125	155	12.5	10	10	17
10HM04		1.5	80	157	169	155	219	90	475	154	105	100	125	125	155	12.5	10	10	19
10HM05		2.2	90	189	201	174	224	90	563	208	128	125	150	140	164	12.5	10	10	25
10HM06		2.2	90	221	233	174	224	90	595	240	128	125	150	140	164	12.5	10	10	26
10HM07		3	90	253	265	174	224	90	627	272	128	125	150	140	164	12.5	10	10	30
10HM08		3	90	285	297	174	224	90	659	304	128	125	150	140	164	12.5	10	10	31
10HM09		4	100	317	329	197	254	100	720	356	147	140	170	160	184	15	12	16	38
10HM10		4	100	349	361	197	254	100	752	388	147	140	170	160	184	15	12	16	39
10HM11		4	100	381	393	197	254	100	784	420	147	140	170	160	184	15	12	16	40
10HM12		5.5	112	413	425	214	280	112	850	459	154	140	170	190	219	15	12	16	48
10HM13		5.5	112	445	457	214	280	112	882	491	154	140	170	190	219	15	12	16	49

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

10hm-s-n-2p50-en_c_td

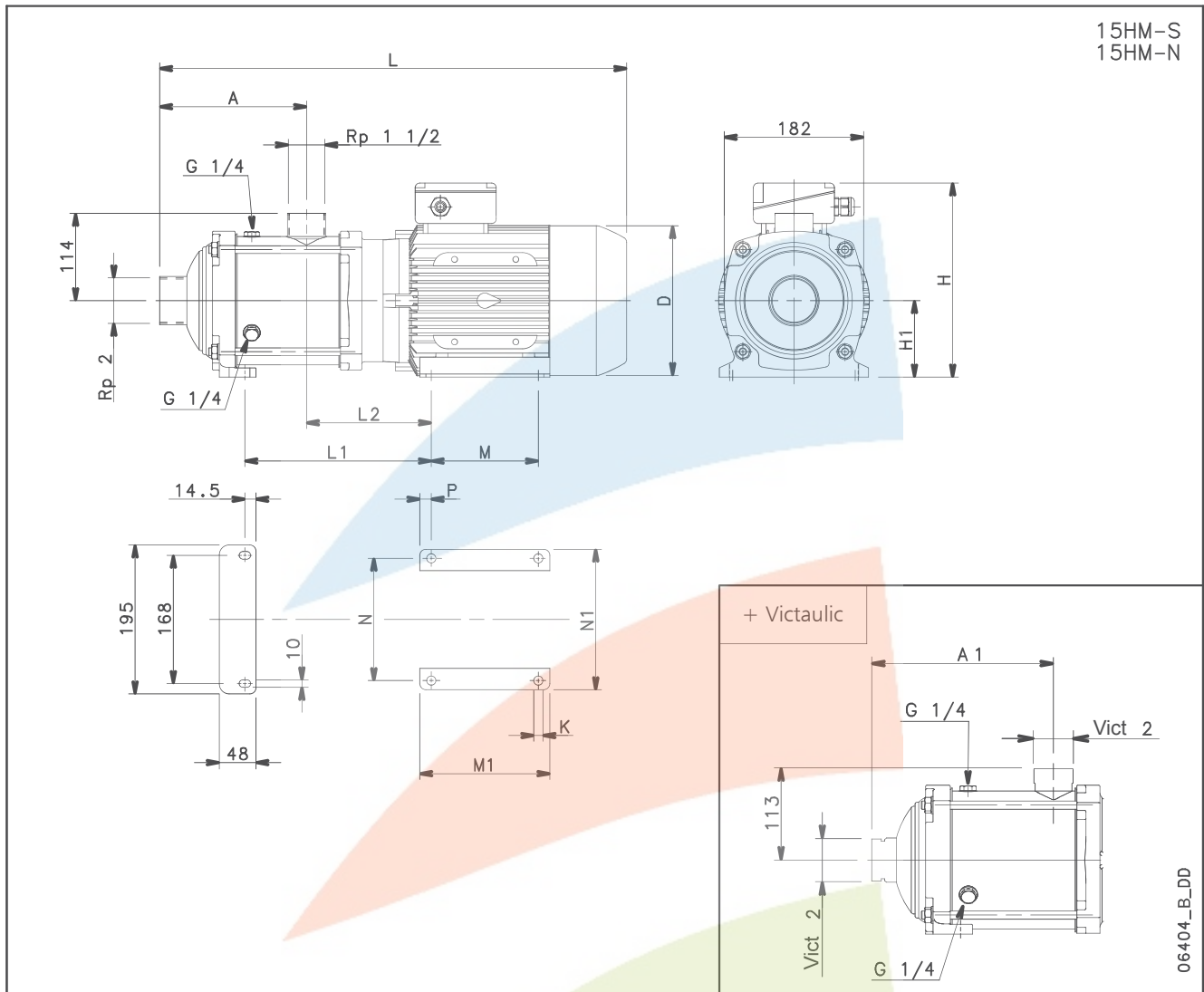
10HM..S - 10HM..N SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

15HM..S - 15HM..N SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

15HM-S
15HM-N



06404_B_DD

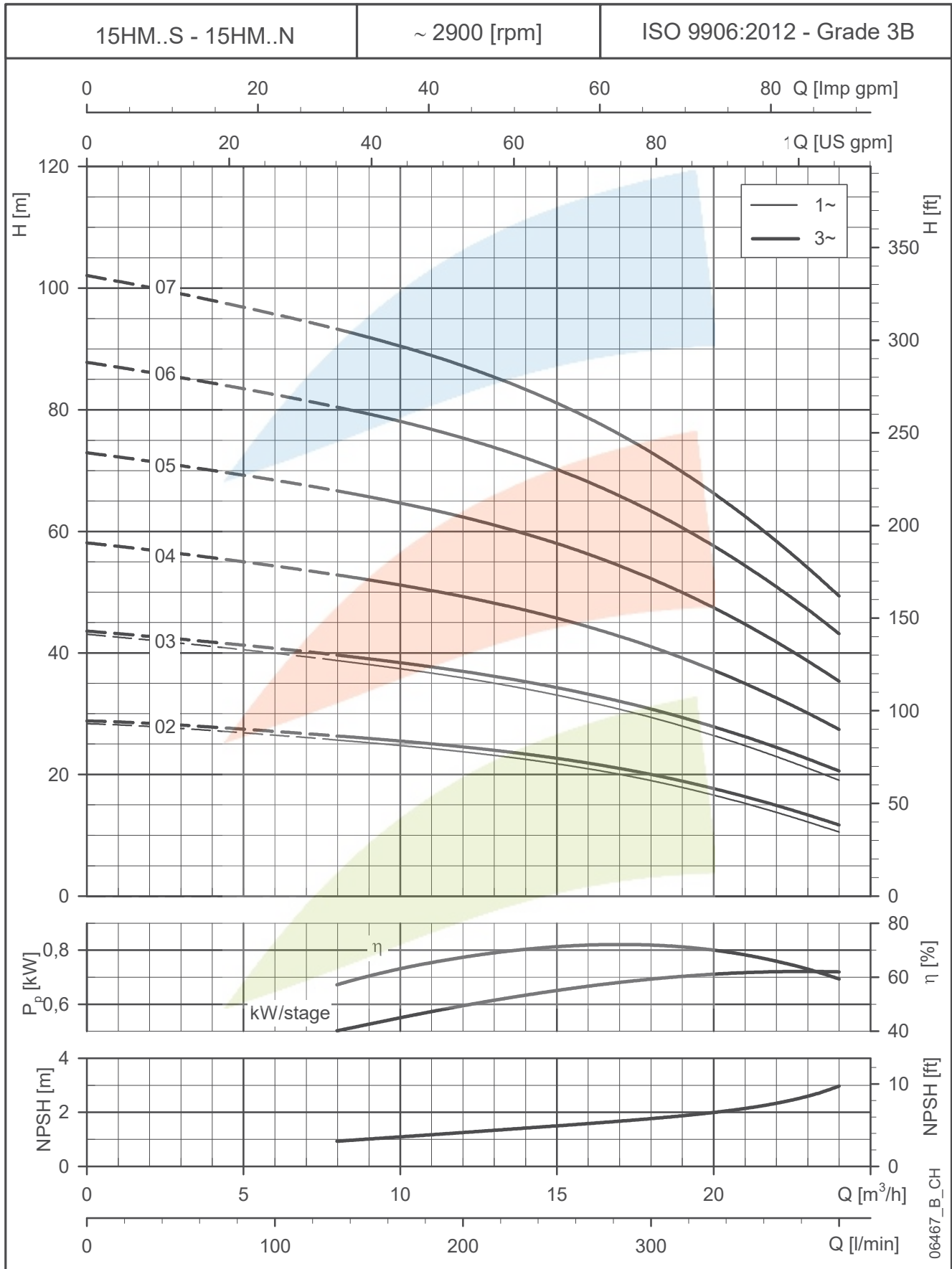
PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)														PN	WEIGHT
		kW	SIZE	A	A1	D	H	H1	L	L1	L2	M	M1	N	N1	P	K		
15HM02	SINGLE-PHASE	1.5	80	144	153	155	227	90	478	154	121	100	125	125	155	12.5	10	10	18
15HM03		2.2	90	144	153	174	249	90	534	176	144	125	150	140	164	12.5	10	10	26

15HM02	THREE-PHASE	1.5	80	144	153	155	219	90	478	154	121	100	125	125	155	12.5	10	10	18
15HM03		2.2	90	144	153	174	224	90	534	176	144	125	150	140	164	12.5	10	10	23
15HM04		3	90	192	201	174	224	90	582	224	144	125	150	140	164	12.5	10	10	27
15HM05		4	100	240	249	197	254	100	659	292	163	140	170	160	184	15	12	10	35
15HM06		5.5	112	288	297	214	280	112	741	347	170	140	170	190	219	15	12	10	43
15HM07		5.5	112	336	345	214	280	112	789	395	170	140	170	190	219	15	12	10	44

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

15hm-s-n-2p50-en_c_td

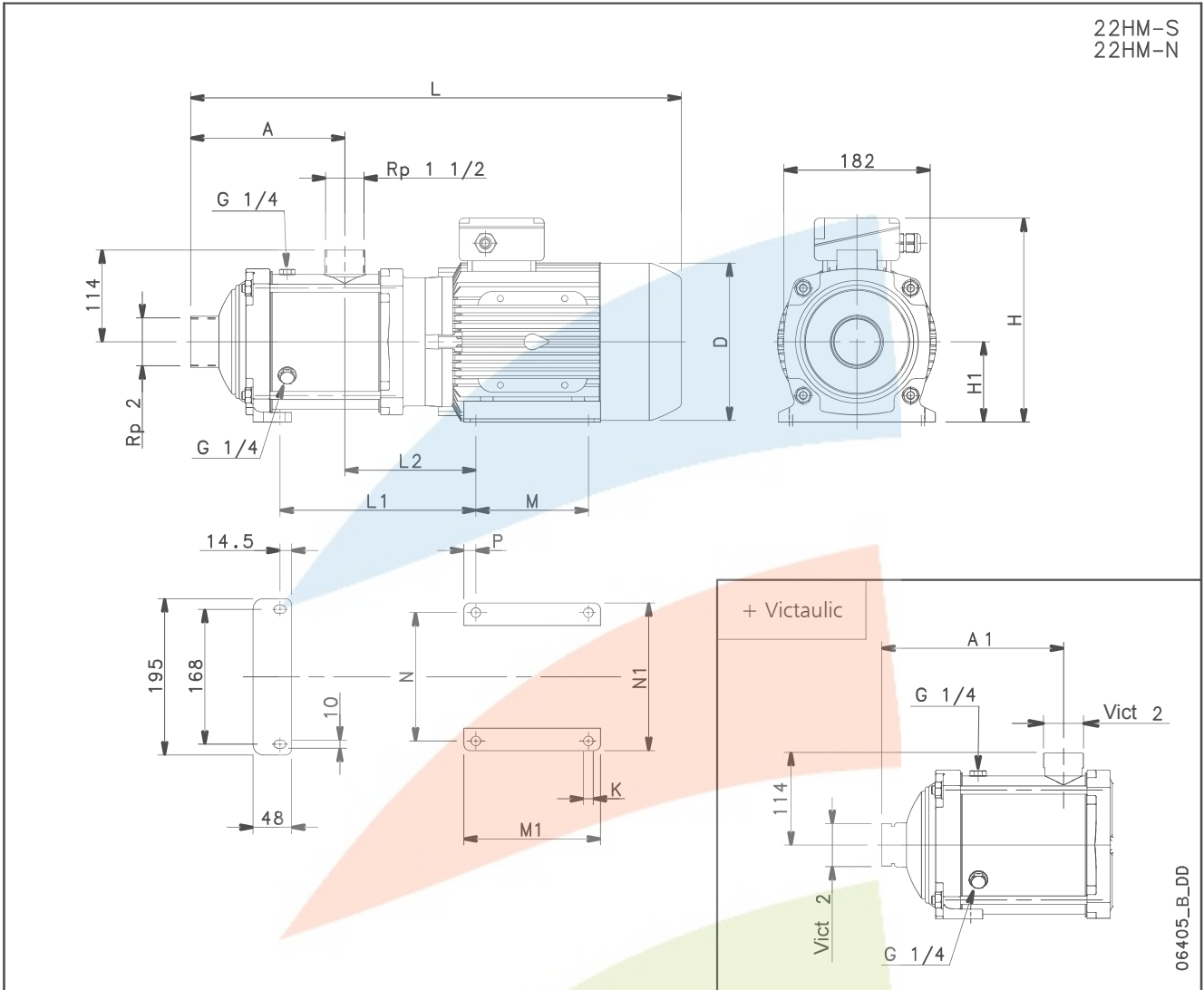
15HM..S - 15HM..N SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

22HM..S - 22HM..N SERIES DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

22HM-S
22HM-N

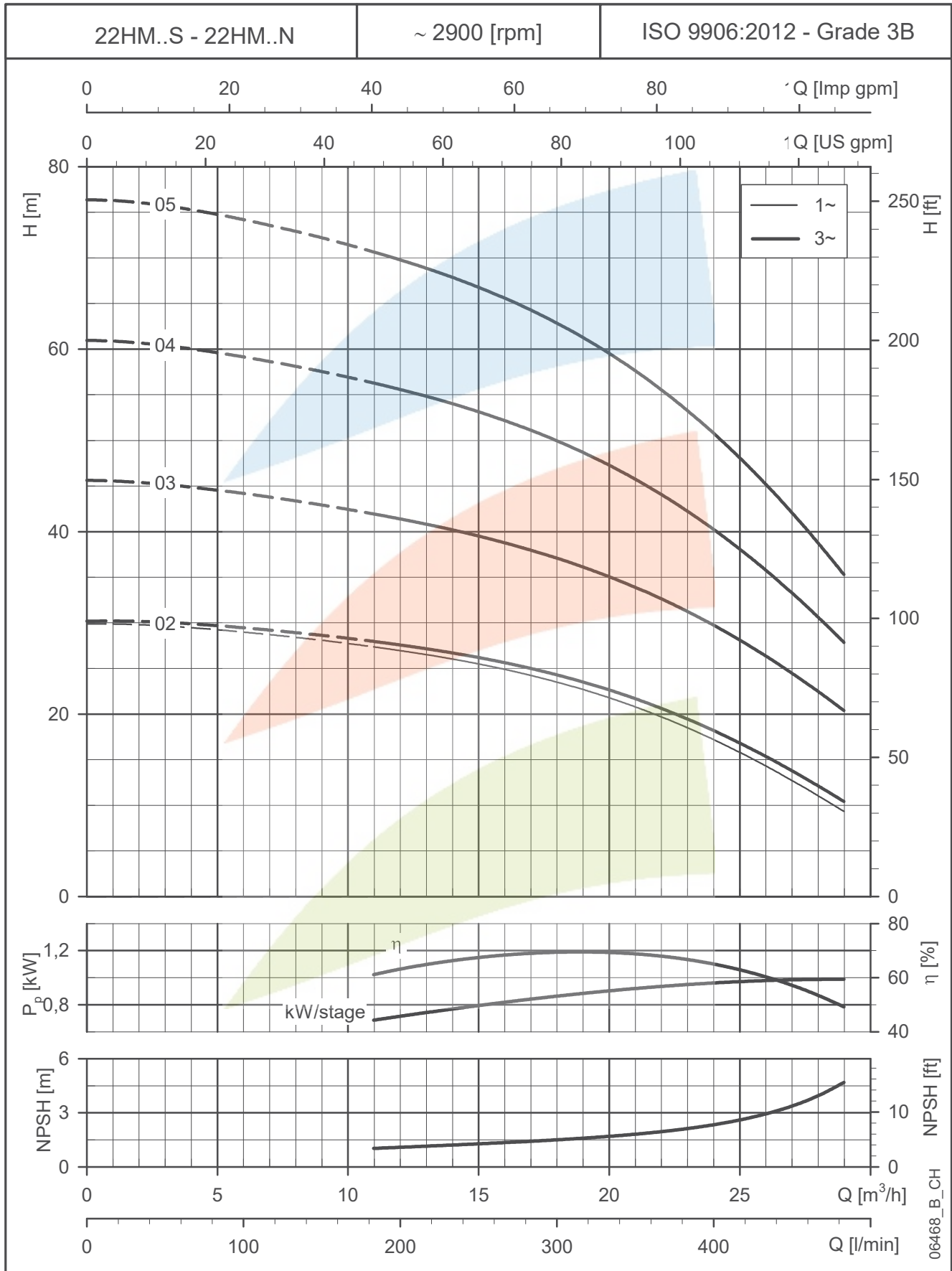


PUMP TYPE	VERSION	MOTOR		DIMENSIONS (mm)														PN	WEIGHT	
		kW	SIZE	A	A1	D	H	H1	L	L1	L2	M	M1	N	N1	P	K			bar
22HM02	SINGLE-PHASE	2.2	90	144	153	174	249	90	534	176	144	125	150	140	164	12.5	10	10	26	
22HM02	THREE-PHASE	2.2	90	144	153	174	224	90	534	176	144	125	150	140	164	12.5	10	10	23	
22HM03		3	90	144	153	174	224	90	534	176	144	125	150	140	164	12.5	10	10	26	
22HM04		4	100	192	201	197	254	100	611	244	163	140	170	160	184	15	12	10	33	
22HM05		5.5	112	240	249	214	280	112	693	299	170	140	170	190	219	15	12	10	42	

You can use the pumps up to PN16 by mounting a mechanical seal PN16.
For mechanical seal, please refer to the TYPE OF SEAL table at page 15.

22hm-s-n-2p50-en_c_td

22HM..S - 22HM..N SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



These performances are valid for liquids with density $\rho = 1 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.