

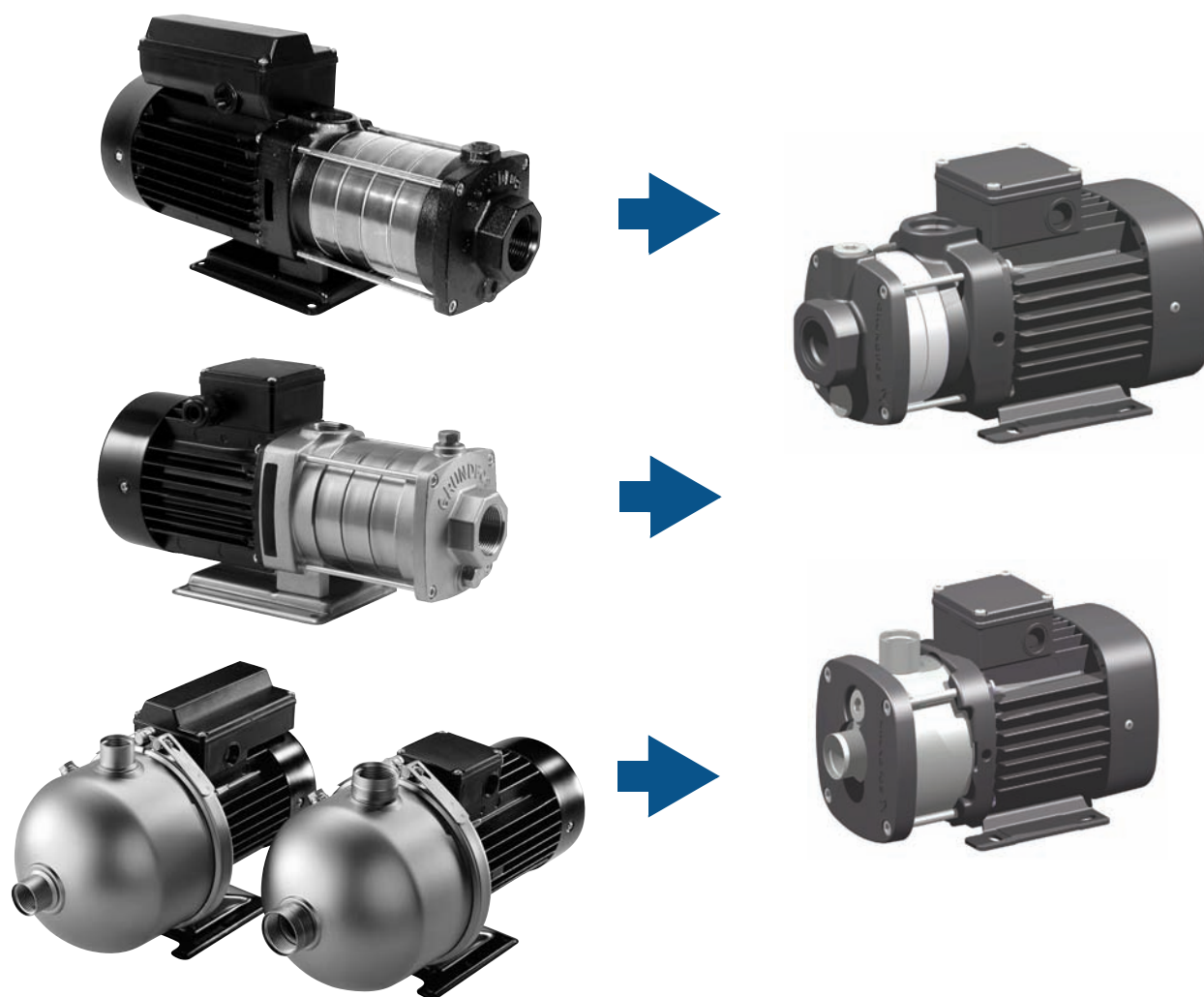
GRUNDFOS CONVERSION GUIDE

CH → CM-A

CHN → CM-I

CHI → CM-G

Conversion of CH-pump types to CM-pump types
60 Hz



Contents

Mission

Introduction

Recommended selection of pump material version	4
Selection of shaft seal	4
Technical data	4

Performance curves

CH 2, CHN 2 to CM 1	5
CHI 2 to CM 1	6
CH 2, CHN 2 to CM 3	7
CHI 2 to CM 3	8
CH 4, CHN 4 to CM 3	9
CHI 4 to CM 3	10
CH 4, CHN 4 to CM 5	11
CHI 4 to CM 5	12
CH 8 to CM 10	13
CHI 8 to CM 10	14
CH 12 to CM 10	15
CH 12 to CM 15	16

Mission

- to successfully develop, produce, and sell high quality pumps and pumping systems worldwide, contributing to a better quality of life and healthier environment.



GBJ - Bjerringbro, Denmark



GMU - Fresno, California



GPU - Olathe, Kansas



GMX - Monterrey, Mexico



GPA - Allentown, Pennsylvania



GCA - Oakville, Ontario

- One of the 3 largest pump companies in the world
- The second largest manufacturer of submersible motors in the world
- World's largest manufacturer of circulator pumps
- World headquarters in Denmark
- North American headquarters in Kansas City - Manufacturing in Fresno, California
- 80 companies in 45 countries
- More than 16 million motors and pumps produced annually worldwide
- North American companies operating in USA, Canada and Mexico
- Continuous reinvestment in growth and development enables the company to
- **BE** responsible, **THINK** ahead, and **INNOVATE**

Introduction

Use this conversion guide to find the right CM pump type when a CH, CHN or CHI pump is to be replaced.

Recommended selection of pump material version

Three material versions of the CM pump are available, see the table below:

Pump designation	Material	DIN W.-Nr.	AISI
CM-A	Cast iron	-	-
CM-I	Stainless steel	EN 1.4301	AISI 304
CM-G	Stainless steel	EN 1.4401	AISI 316

The table below contains a recommendation of which CM pump type that can replace an existing CH, CHN or CHI pump.

CH-pump type	CM-pump type
CH	CM-A
CHN	CM-I
CHI	CM-G

Selection of shaft seal

The table below contains the available shaft seal types for CH- and CM-pump types. In the table it is possible to see a recommended selection of shaft seal when replacing an existing CH, CHN or CHI pump with a CM-A, CM-I or CM-G pump.

Shaft seal for CH, CHN, CHI	Shaft seal for CM-A, CM-I, CM-G
AQQE	AQQE
AQQV	AQQV
BQQE	AQQE
BQQV	AQQV
CVBE	AVBE
CVBV	AVBV
BUBE	AVBE
BUBV	AVBV
AUUE	AQQE
AUUV	AQQV
BUUE	AQQE
BUUV	AQQV
RUUE	AQQE
RUUV	AQQV

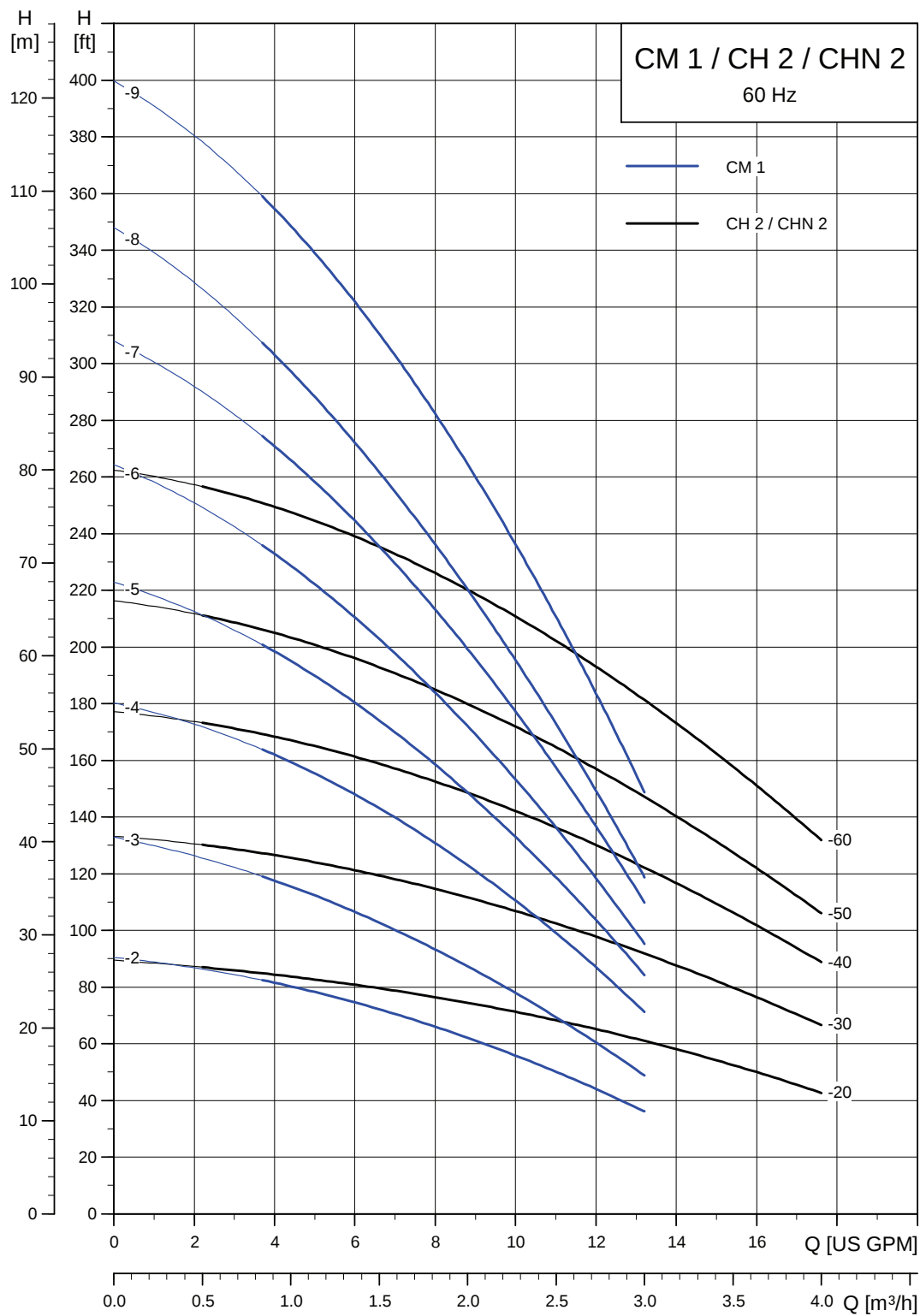
Technical data

Please refer to WebCAPS or the CM, CME product guide for motor data, dimensions etc. of CM and CME pumps.

Performance curves

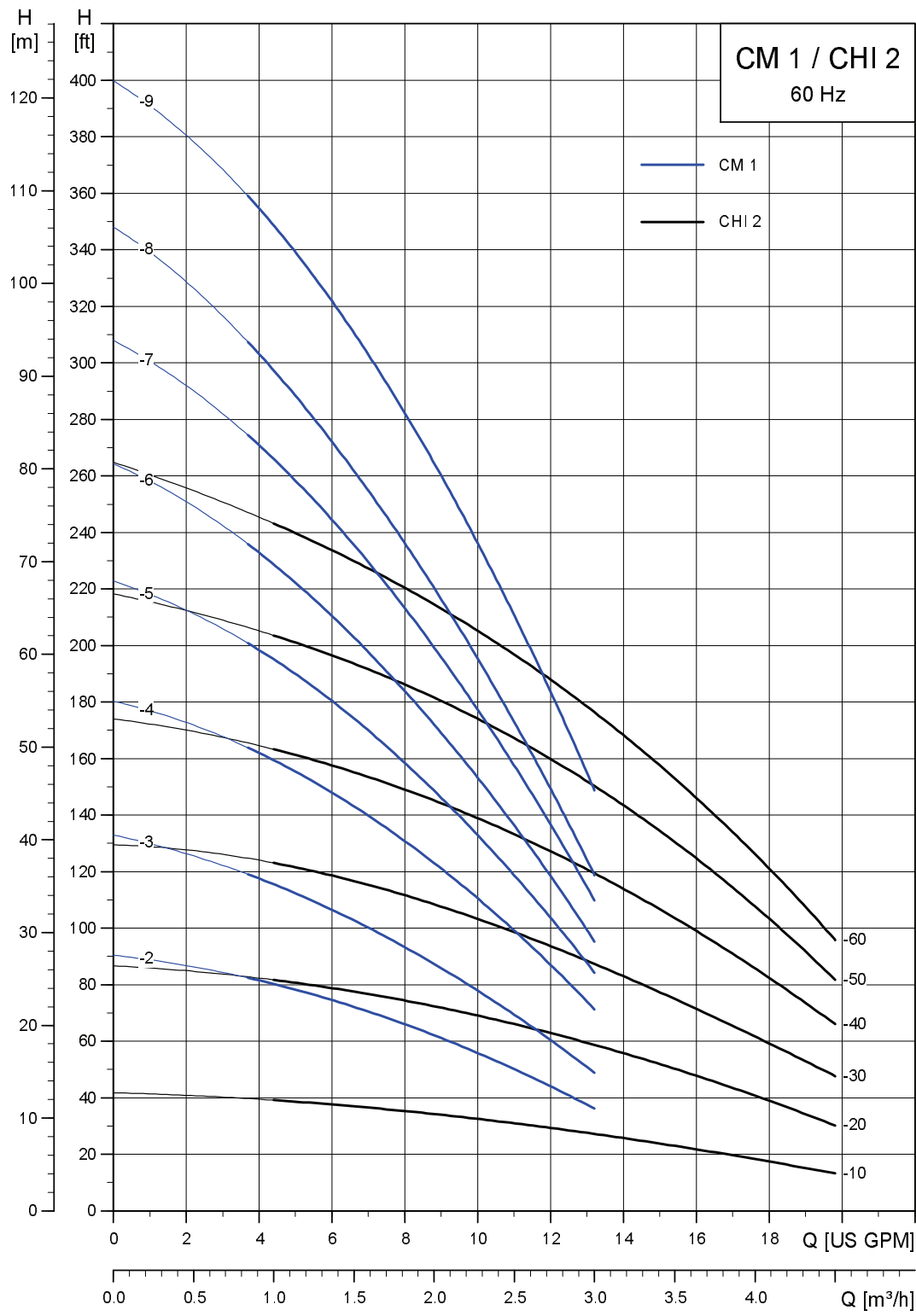
CH 2, CHN 2 to CM 1
60 Hz

CH 2, CHN 2 to CM 1



TM04 2426

CHI 2 to CM 1

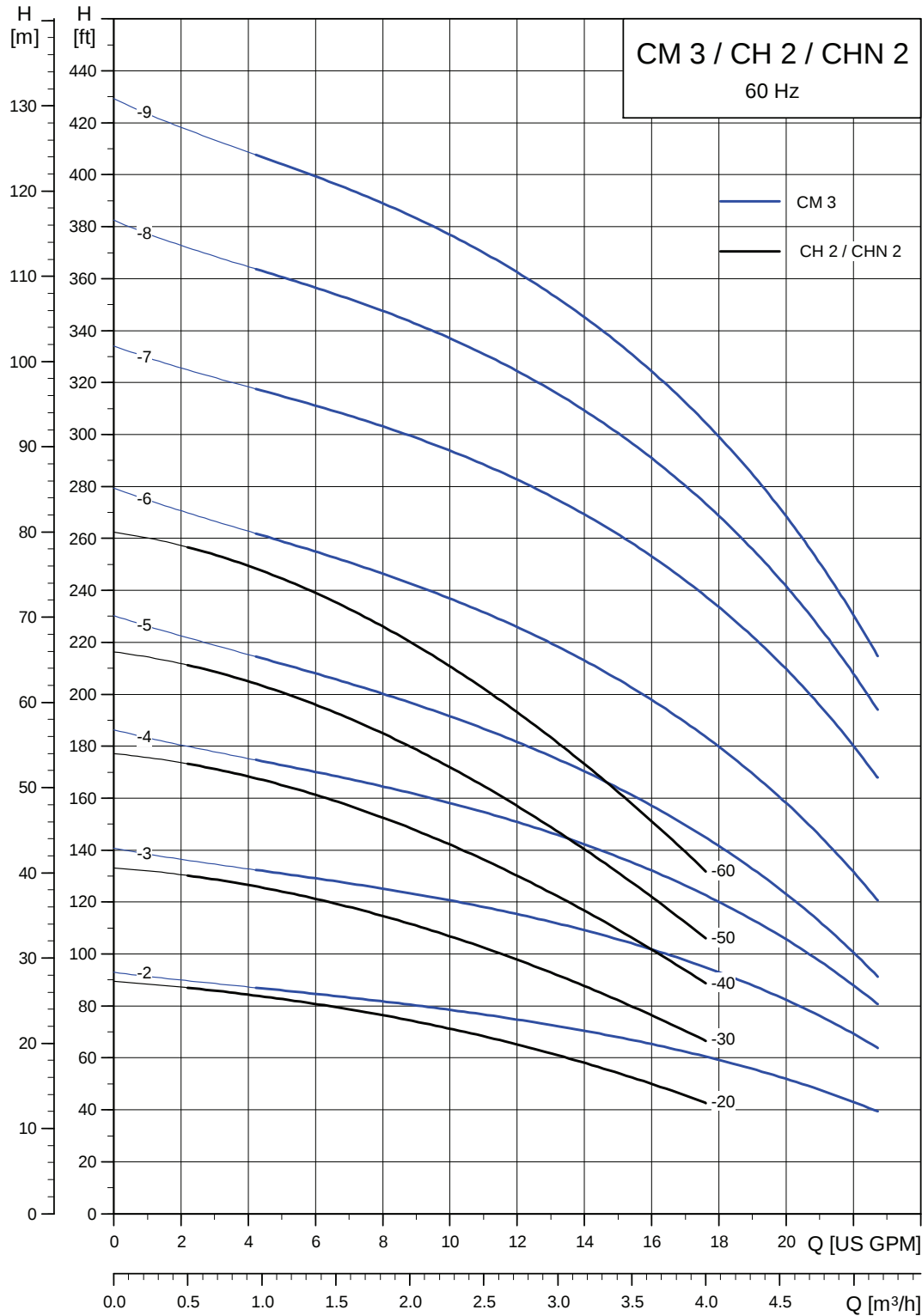


TM04 2427

Performance curves

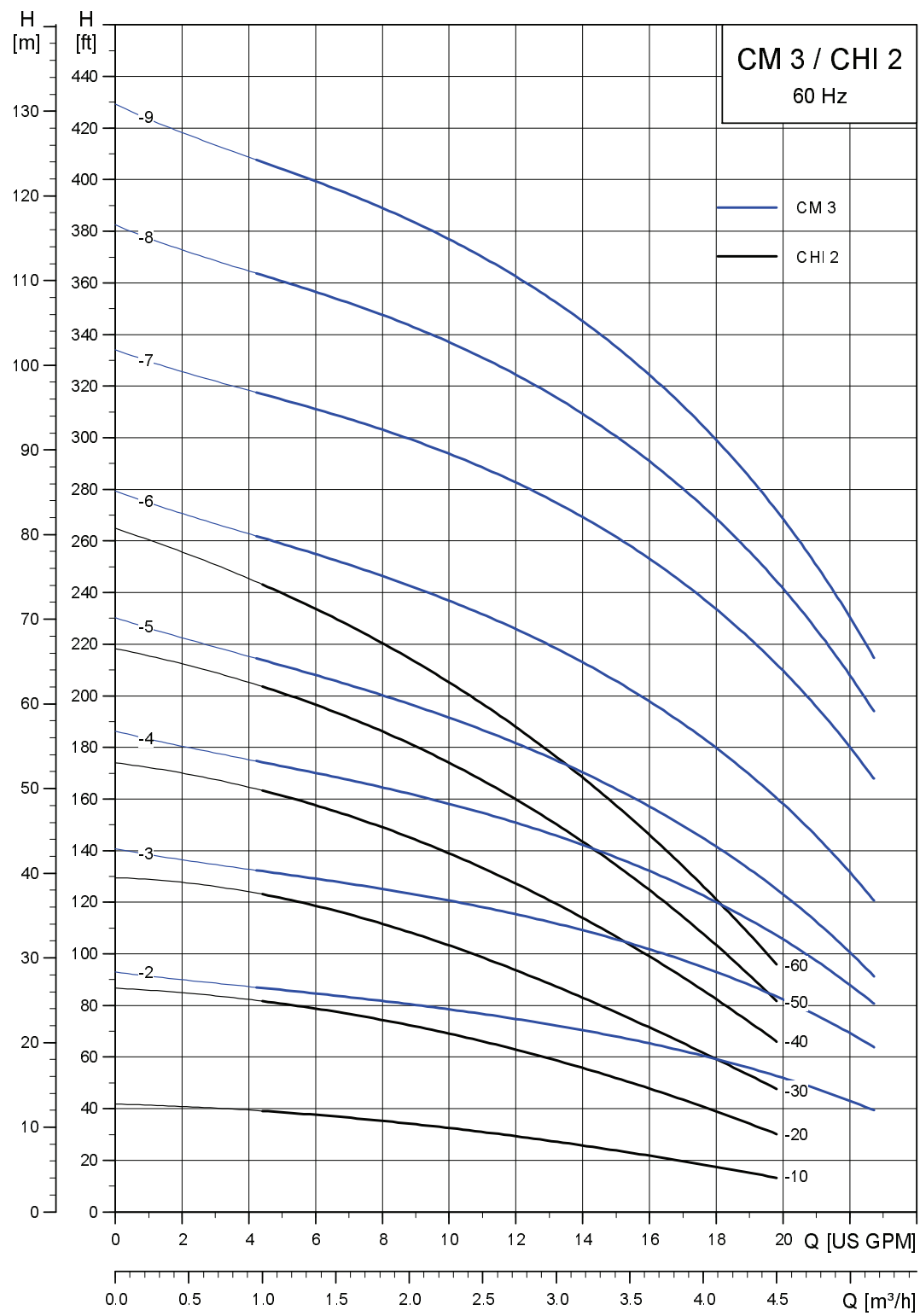
CH 2, CHN 2 to CM 3
60 Hz

CH 2, CHN 2 to CM 3



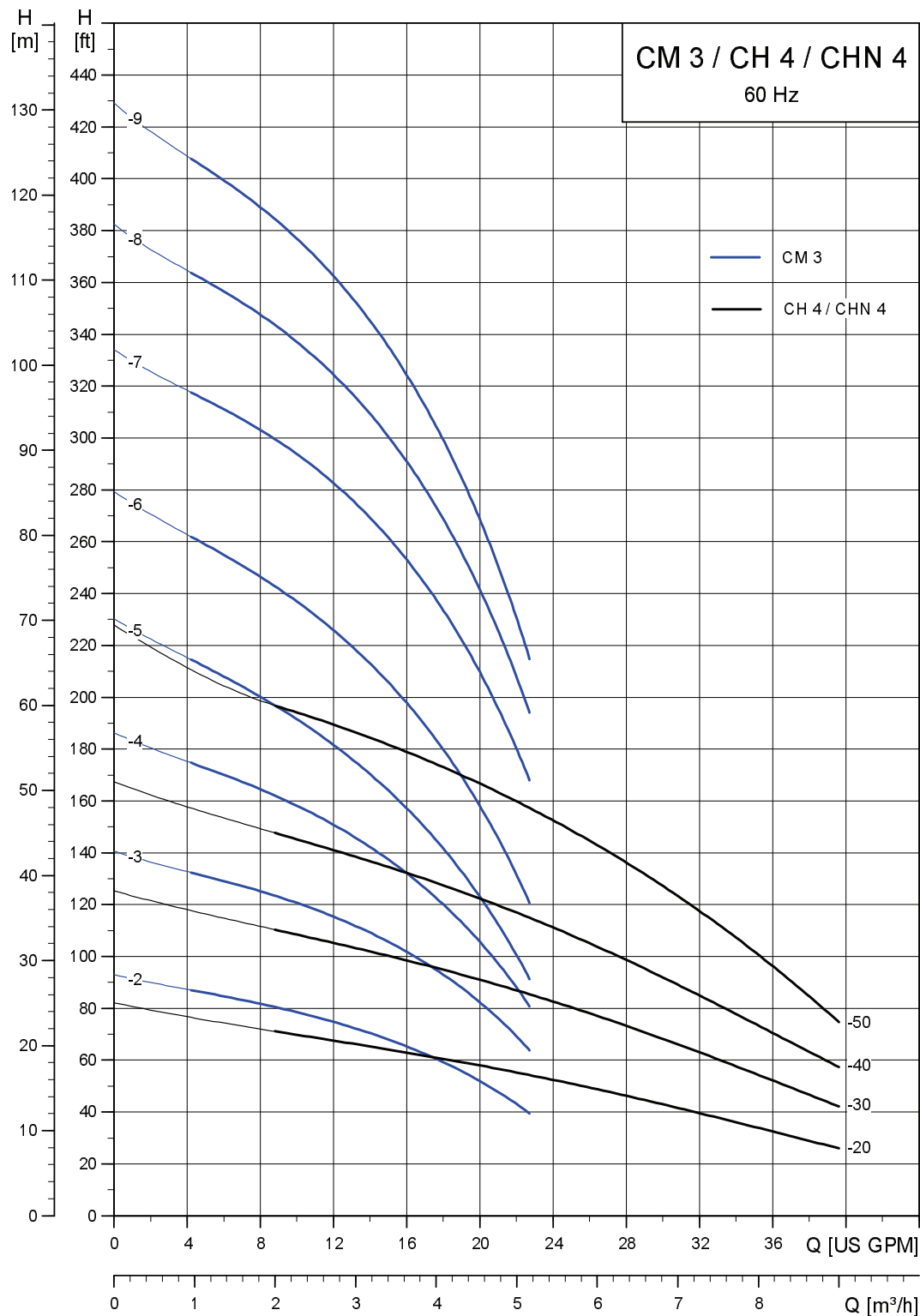
TM04 2440

CHI 2 to CM 3



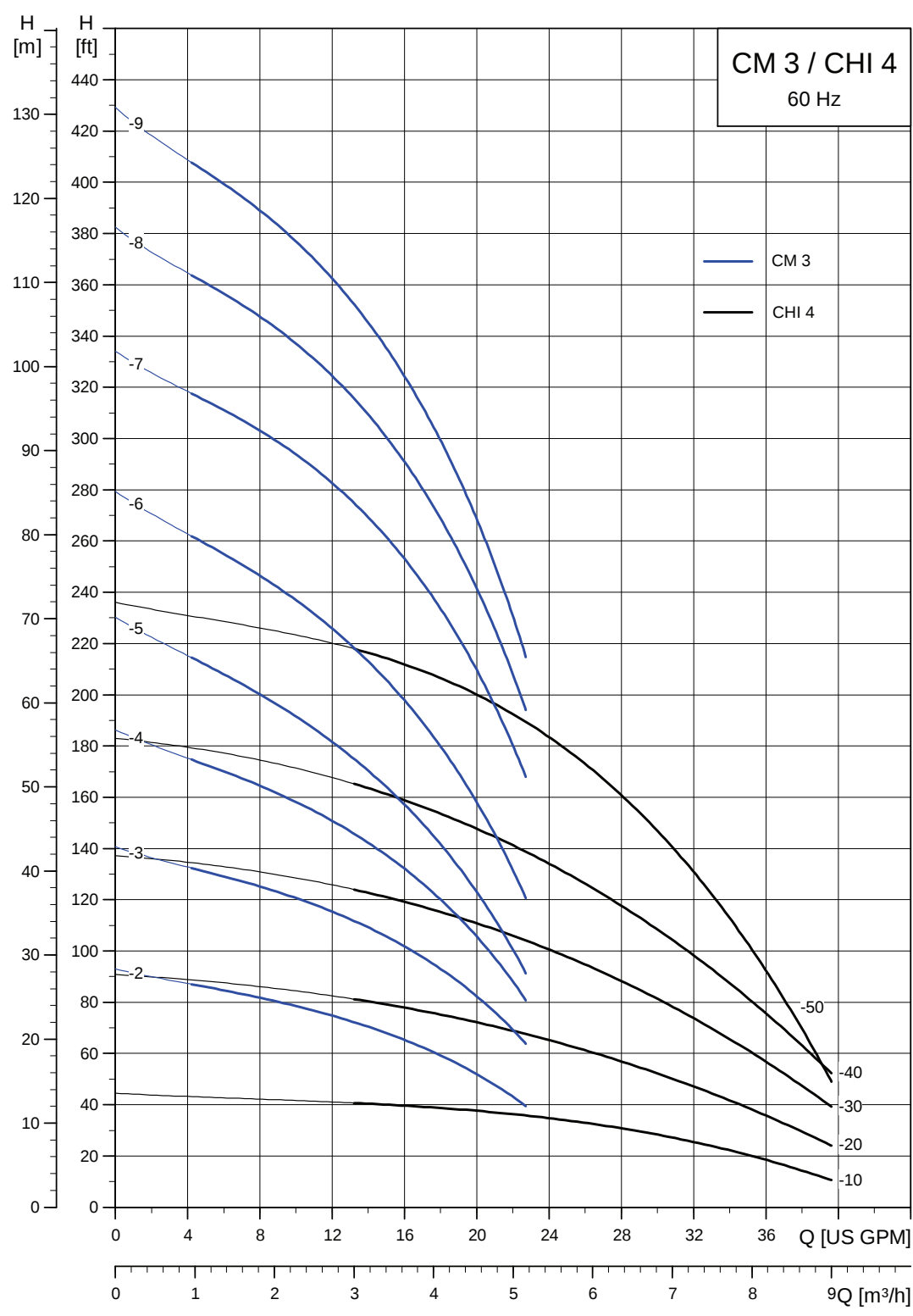
TM04 2441

CH 4, CHN 4 to CM 3



TM04 2428

CHI 4 to CM 3

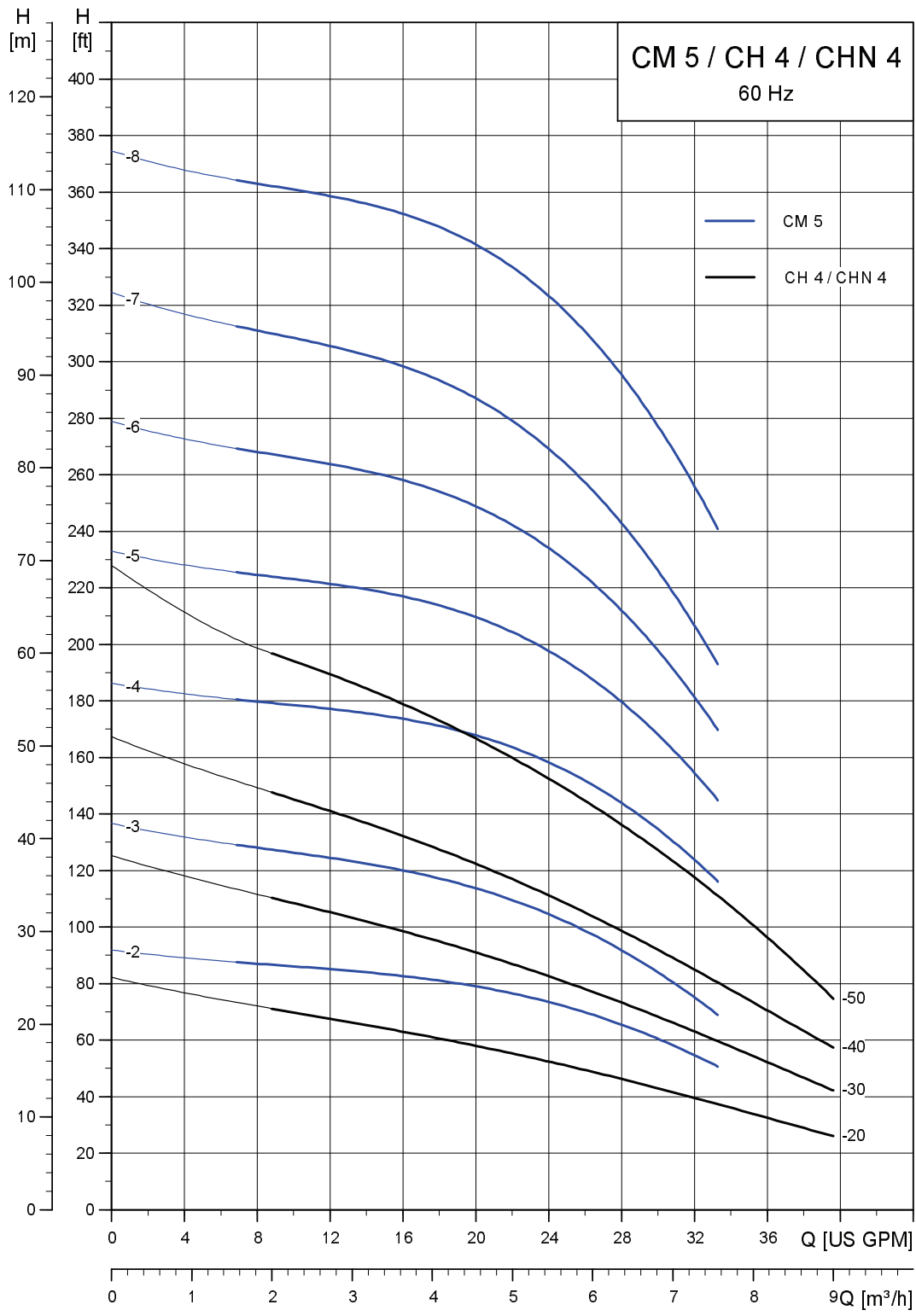


TM04 2429

Performance curves

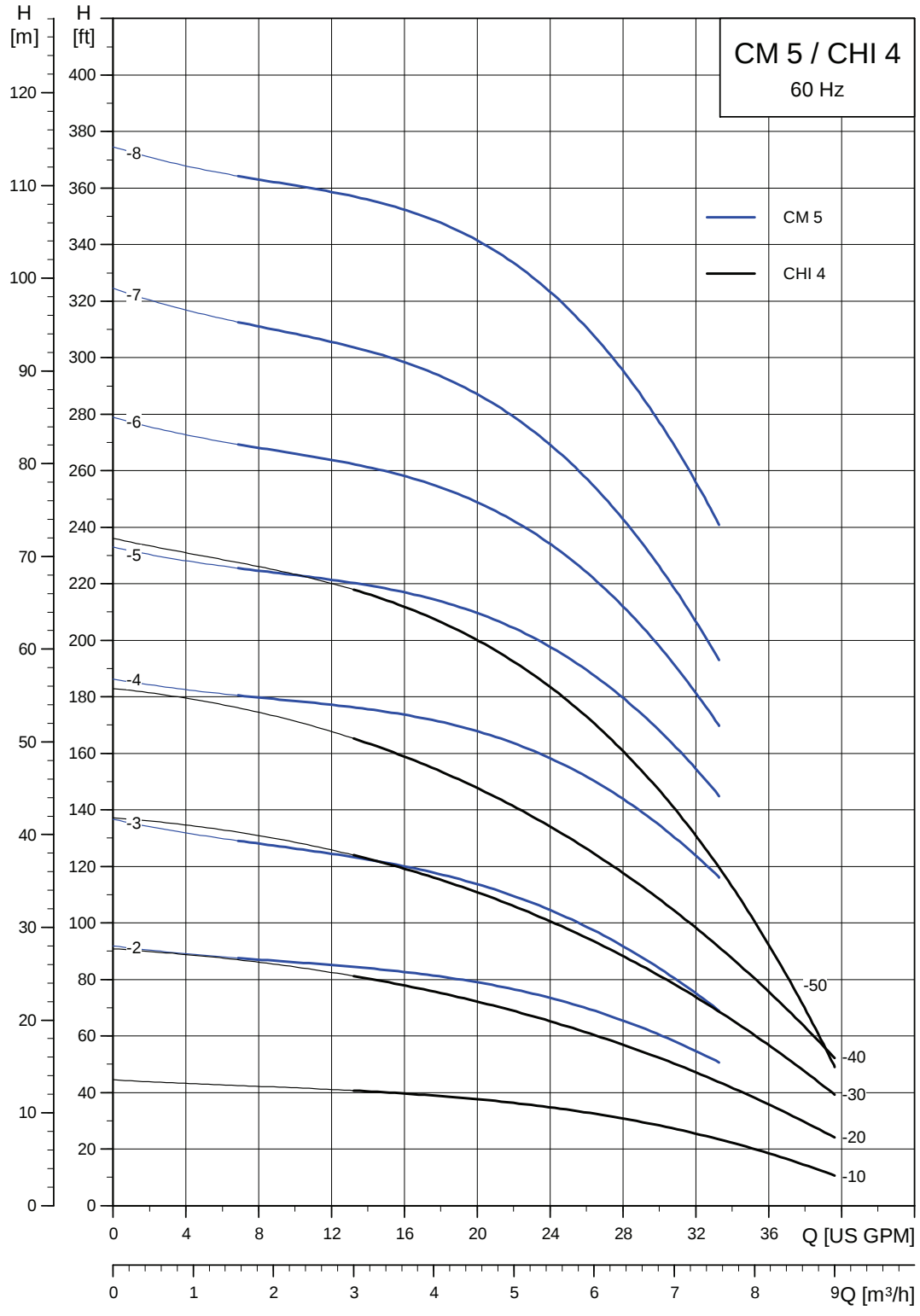
CH 4, CHN 4 to CM 5
60 Hz

CH 4, CHN 4 to CM 5



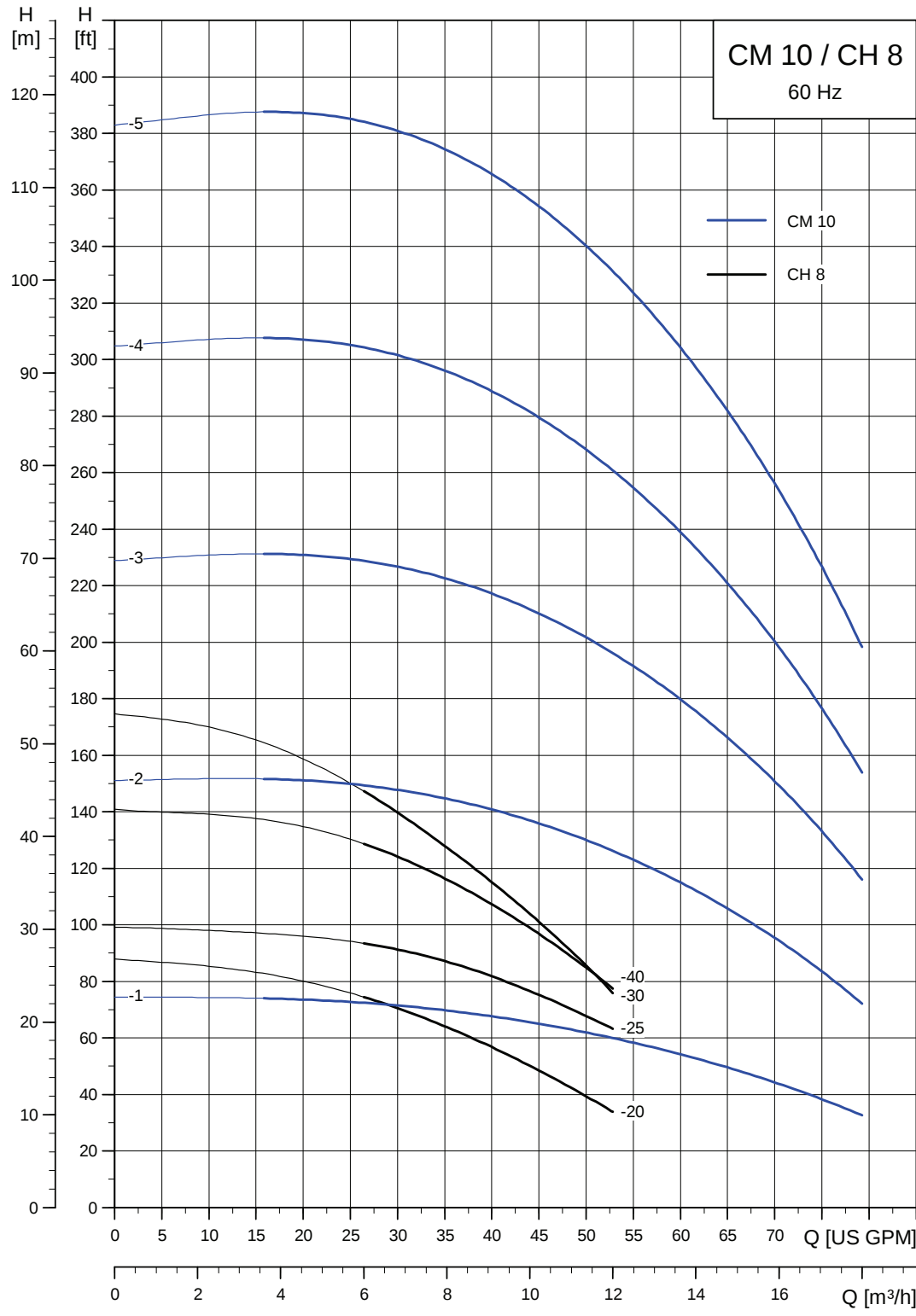
TM04 2430

CHI 4 to CM 5



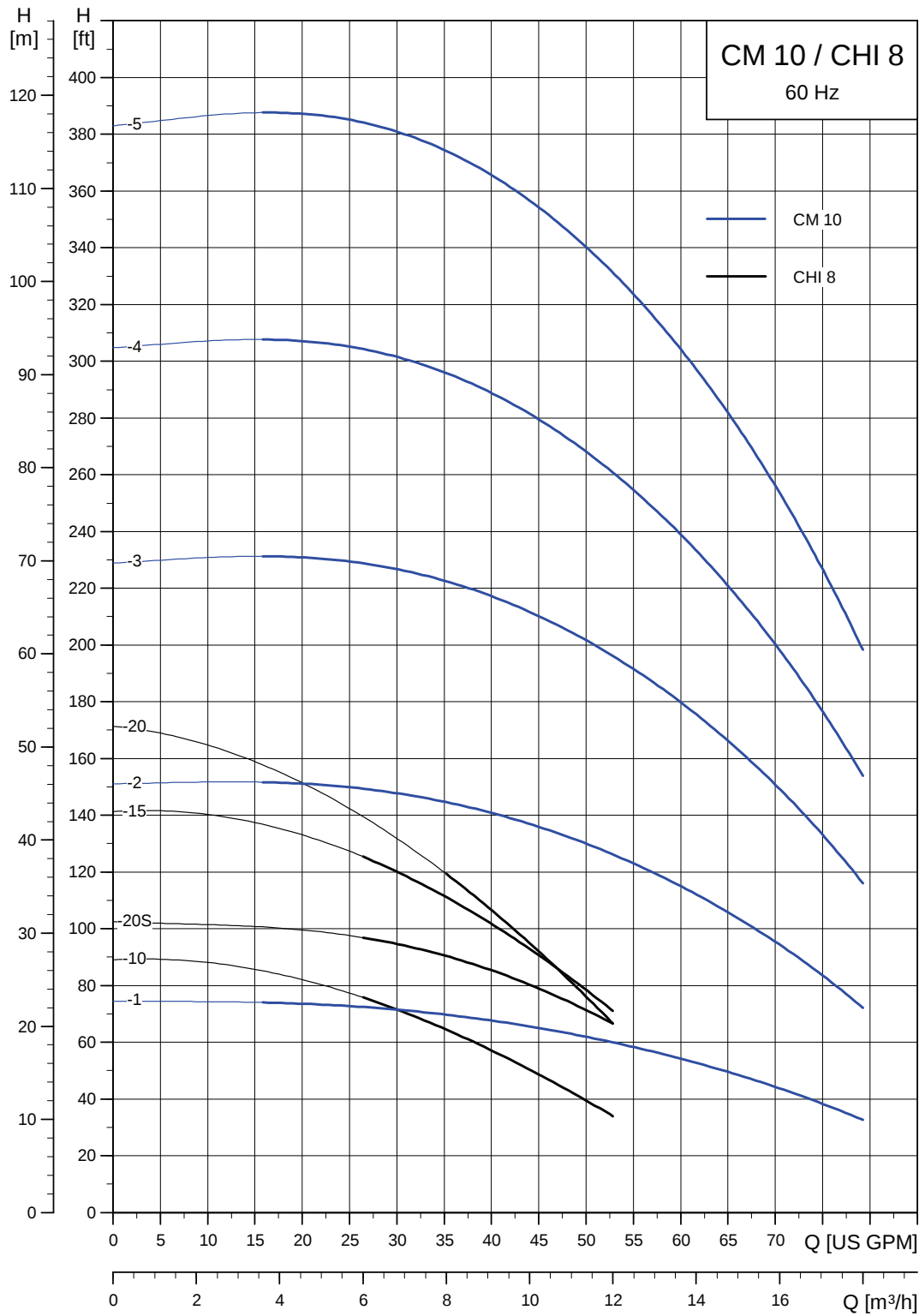
TM04 2431

CH 8 to CM 10



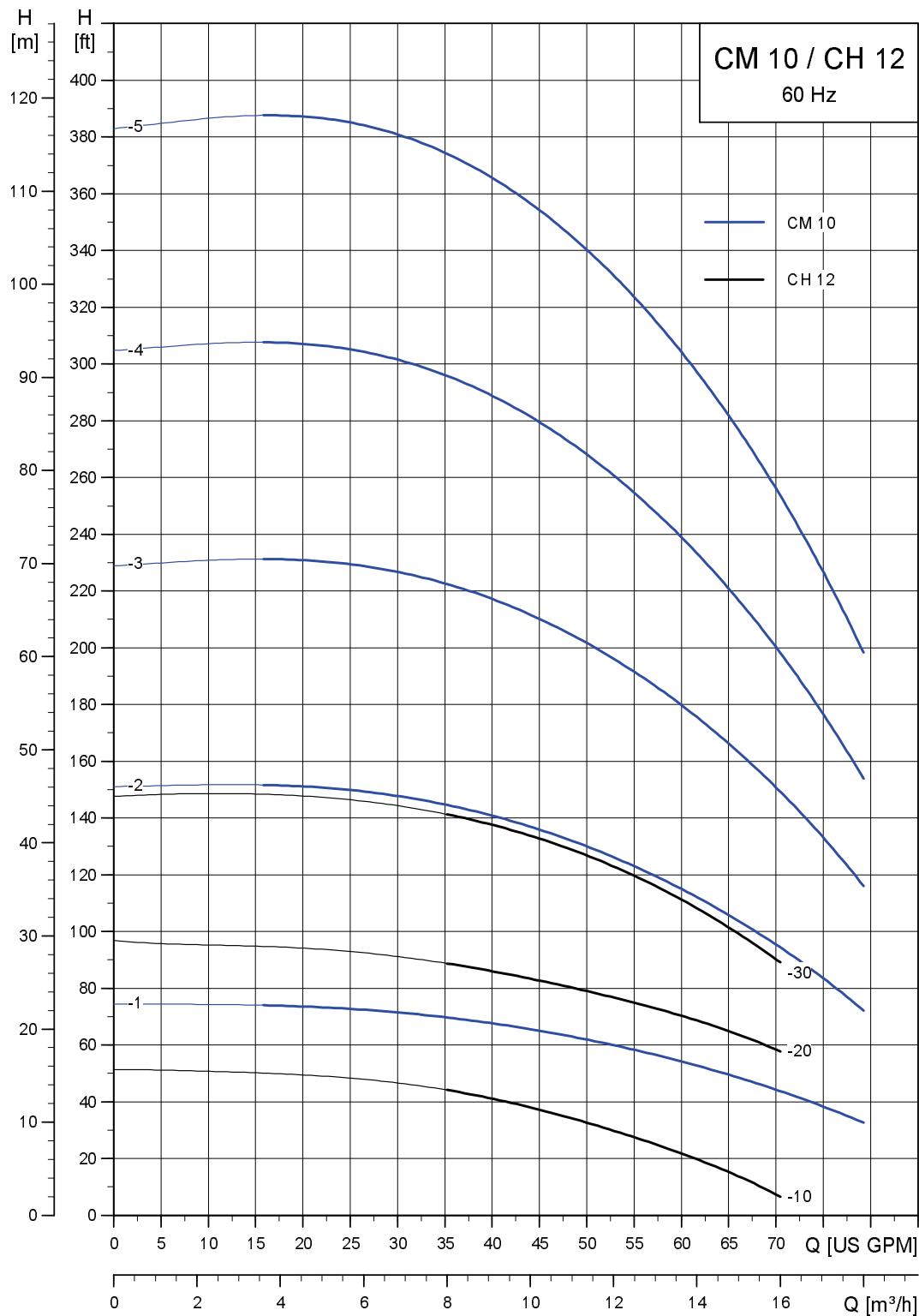
TM04 2432

CHI 8 to CM 10



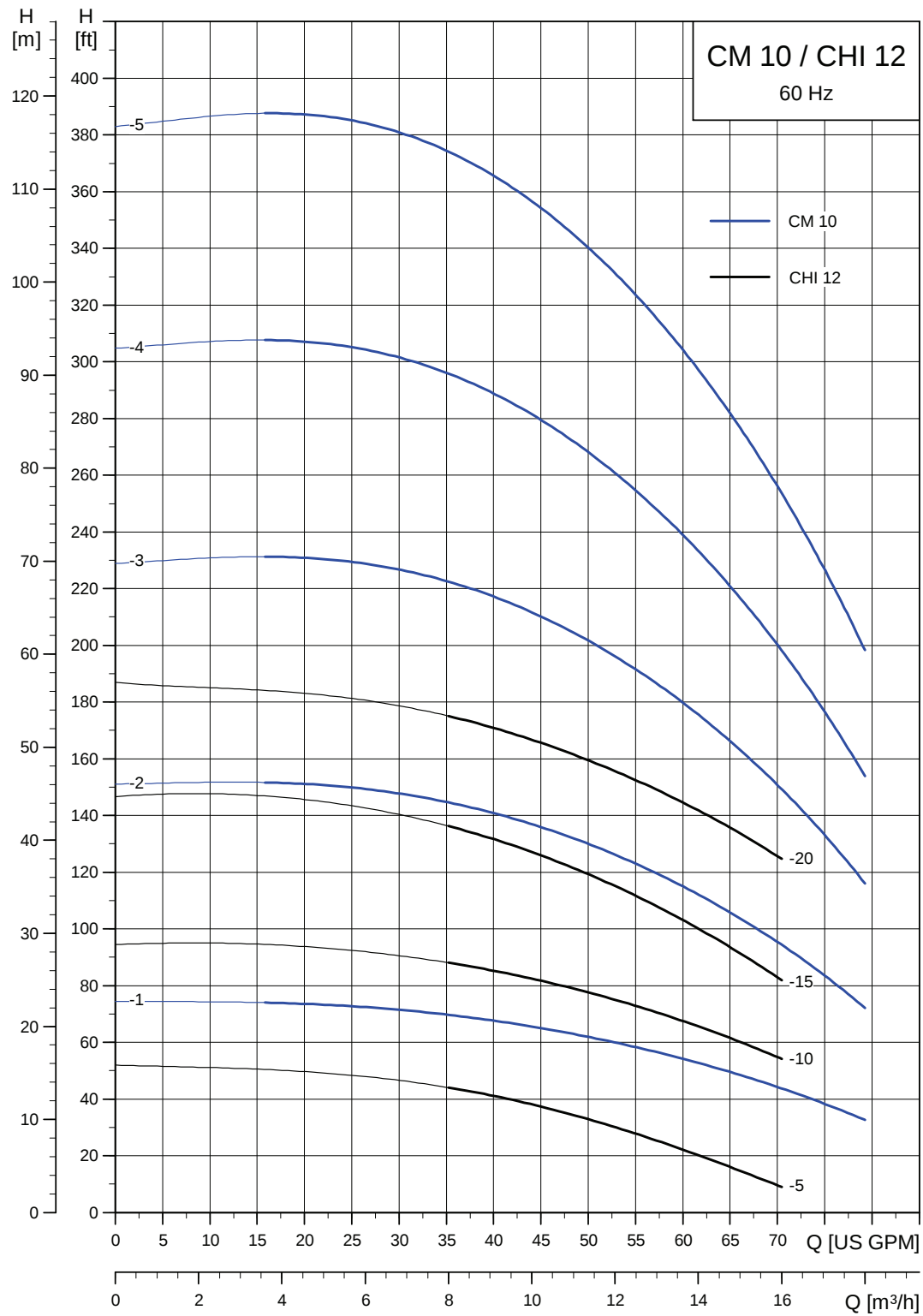
TM04 2433

CH 12 to CM 10



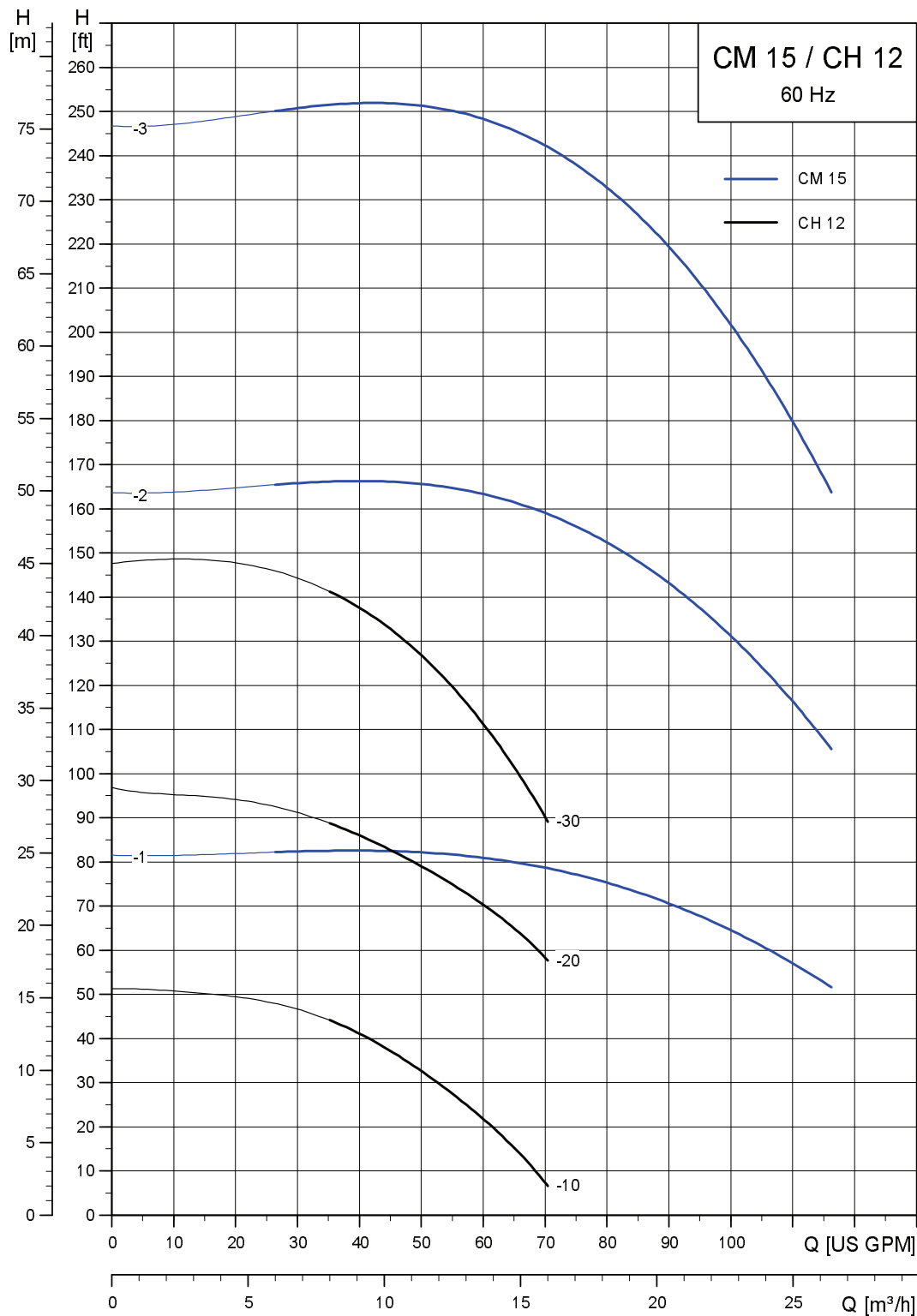
TM04 2434

CHI 12 to CM 10



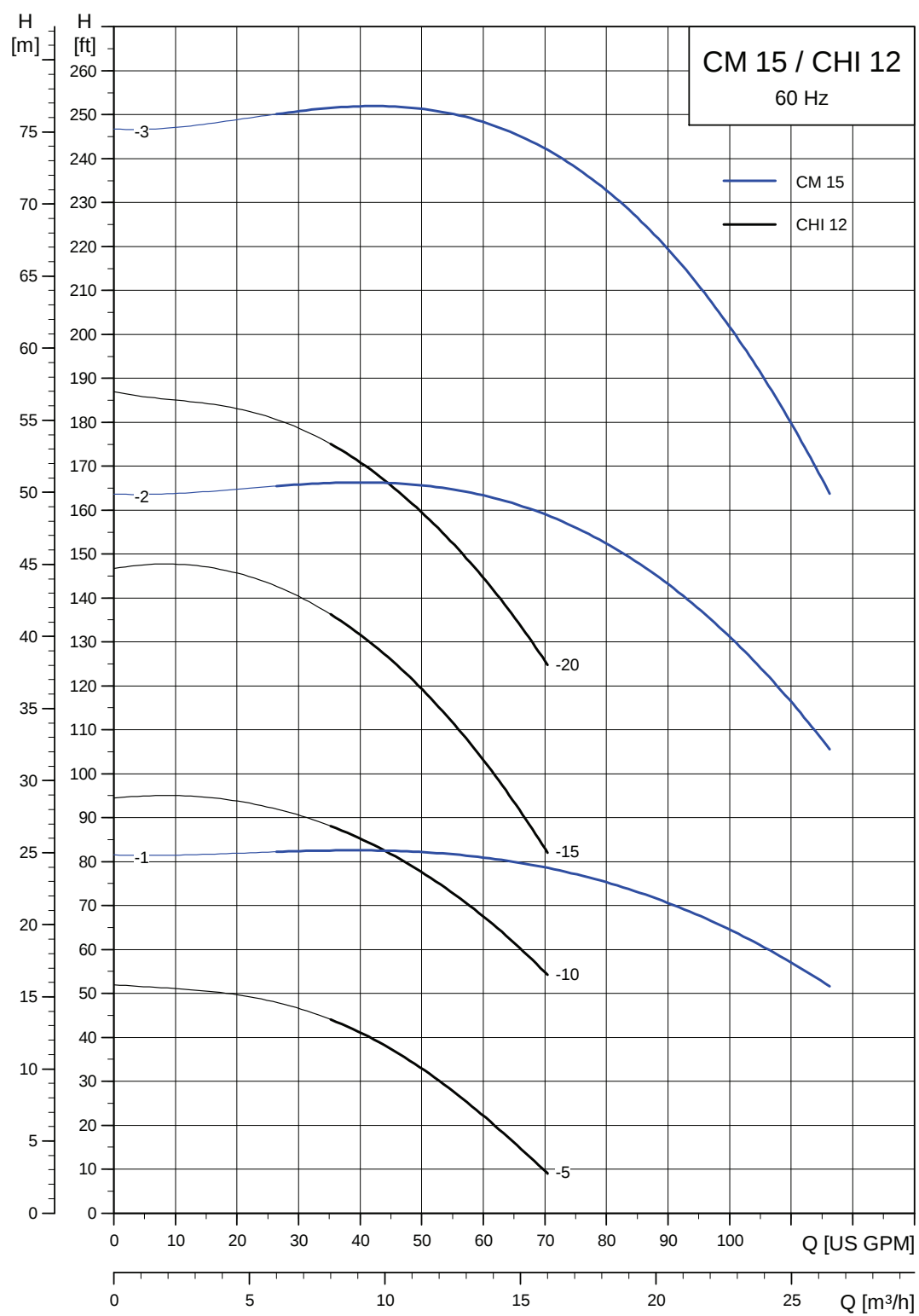
TM04 24 35

CH 12 to CM 15



TM04 2438

CHI 12 to CM 15



TM04 2439

Performance curves

L-CM-TL-002 0809

US

© 2009 Grundfos Pumps Corp.

Subject to alterations.

GRUNDFOS Pumps Corporation
17100 West 118th Terrace
Olathe, Kansas 66061
Phone: +1-913-227-3400
Telefax: +1-913-227-3500

GRUNDFOS Canada Inc.
2941 Brighton Road
Oakville, Ontario L6H 6C9 Canada
Phone: +1-905 829 9533
Telefax: +1-905 829 9512

Bombas GRUNDFOS de Mexico S.A. de C.V.
Boulevard TLC No. 15
Parque Industrial Stiva Aeropuerto
Apodaca, N.L. Mexico 66600
Phone: +52-81-8144 4000
Telefax: +52-81-8144 4010

www.grundfos.com

GRUNDFOS 